

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1322	16-00126-00-BR	FORD / KANKAKEE	27	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 87660		

INDEX OF SHEETS

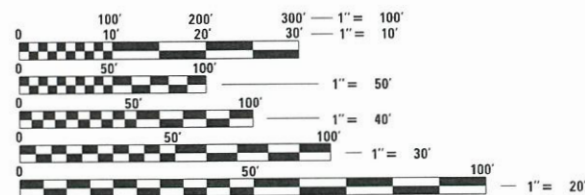
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	SCHEDULE OF QUANTITIES
5.	PLAN AND PROFILE
6.	CENTERLINE, GUARDRAIL & SHOULDER LAYOUT
7-14.	BRIDGE PLANS
15.	BORINGS
16-27.	STATION CROSS SECTIONS

HIGHWAY STANDARDS:

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 27-1	TRAFFIC BARRIER TERMINAL, TYPE 5A

UTILITIES

FRONTIER COMMUNICATIONS
109 E. MARKET STREET, 2ND FLOOR
BLOOMINGTON, IL 61701

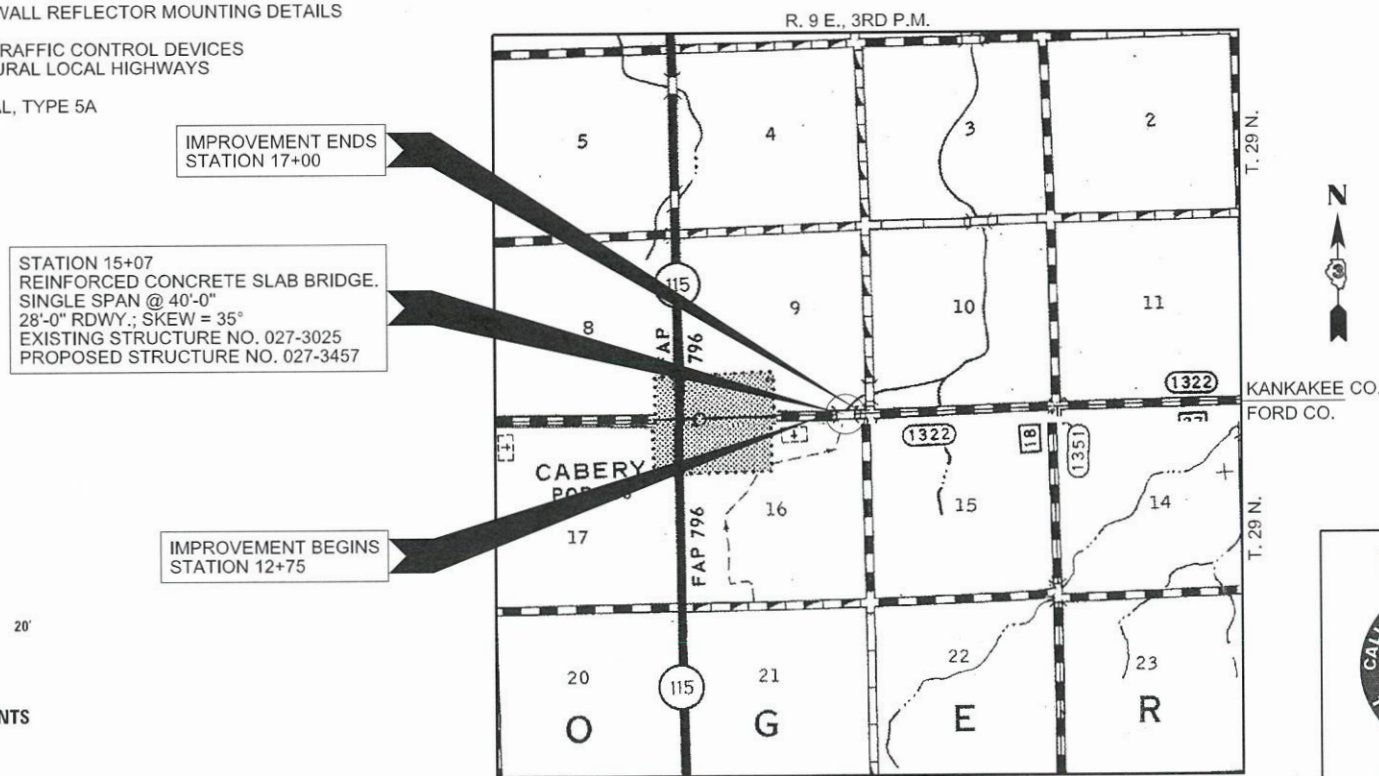


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR (RURAL)
DESIGN SPEED: 50 MPH
DESIGN TRAFFIC: 450 ADT (2016)

PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM
ON SYSTEM BRIDGE

PROJECT PQ16(726)
SECTION 16-00126-00-BR
FORD / KANKAKEE COUNTY
F.A.S. 1322 / C.H. 23 / CABERY ROAD
PROPOSED STRUCTURE NO. 027-3457
C-93-101-16



LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE
NET LENGTH OF SECTION = 425 FEET = 0.080 MILES

WARNING

CALL 811 BEFORE YOU DIG

DIG NO: A0120158 / A0120153



ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED *January 22, 2021*
FORD COUNTY ENGINEER

APPROVED *January 22, 2021*
KANKAKEE COUNTY ENGINEER

PASSED *February 18, 2021*
DISTRICT THREE ENGINEER OF LOCAL ROADS & STREETS
REGION TWO ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 12/10/2020

EXPIRES: 11/30/2021

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com

184.009559
ILLINOIS PROFESSIONAL DESIGN FIRM L/P / SE CORPORATION

PROJECT NUMBER: 14.0254.130 DATE: 12/10/2020

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	CONSTRUCTION TYPE CODE 0011	
		UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	580
20300100	CHANNEL EXCAVATION	CU YD	245
20700110	POROUS GRANULAR EMBANKMENT	TON	92
28100830	STONE DUMPED RIPRAP, CLASS B4	TON	240
31102100	SUBBASE GRANULAR MATERIAL, TYPE C, 4"	SQ YD	392
35101400	AGGREGATE BASE COURSE, TYPE B	TON	605
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2567
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	257
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	108
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	62
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	111
48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	443
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	32.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	79.8
50300260	BRIDGE DECK GROOVING	SQ YD	136
50300300	PROTECTIVE COAT	SQ YD	175
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	33,440
* 50900205	STEEL RAILING, TYPE S1	FOOT	90
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	360
51202305	DRIVING PILES	FOOT	360
51203200	TEST PILE METAL SHELLS	EACH	1
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	38
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	38
60103700	PIPE DRAINS, CORRUGATED STEEL 18"	FOOT	52
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	125
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	296
67100100	MOBILIZATION	L SUM	1

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

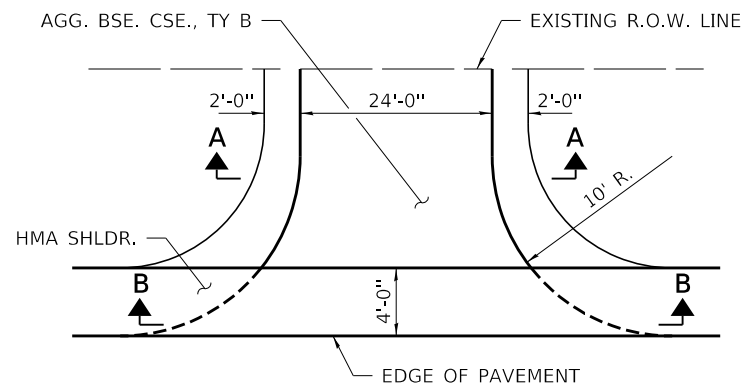
SUMMARY OF QUANTITIES			
CODE NO.	ITEM	CONSTRUCTION TYPE CODE 0011	
		UNIT	TOTAL
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5

^ SEE SPECIAL PROVISIONS

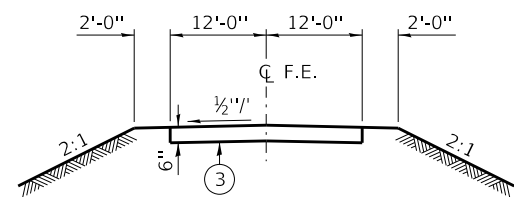
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL CONSULT THE ENGINEER IN REGARD TO THE EXACT LENGTH OF PIPE CULVERTS AND PIPE DRAINS BEFORE ORDERING THESE ITEMS.
- THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- PIPE DRAINS AND PIPE CULVERTS SHALL BE PRECOATED IN ACCORDANCE WITH ARTICLE 1006.01(b) OF THE STANDARD SPECIFICATIONS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

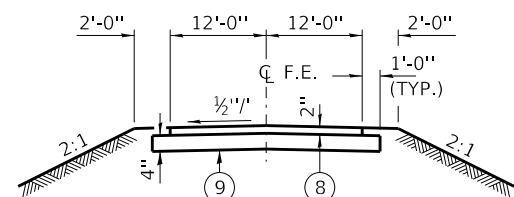
AGGREGATE SURFACE & BASE COURSE, SHOULDERS	2.05 TON/CU YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH THICKNESS
BITUMINOUS MATERIALS (PRIME COAT)	0.25 POUNDS/SQ YD
BITUMINOUS MATERIALS (TACK COAT)	0.025 POUNDS/SQ YD
STONE DUMPED RIPRAP	1.75 TON/CU YD
TEMPORARY EROSION CONTROL SEEDING	100 LBS / ACRE
POROUS GRANULAR EMBANKMENT	1.5 TON/CU YD
- EARTH SURFACES SHALL BE SEEDED WITHIN 14 DAYS OF THE END OF ACTIVE DISTURBANCE. THE AREA TO BE SEEDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AND AS DIRECTED BY THE ENGINEER. ESTIMATED AREAS OF SEEDING:
SEEDING, CLASS 2 (SPECIAL) 0.5 ACRES
- THE CONTRACTOR HAS THE OPTION OF USING A VIBRATING SCREEN IN LIEU OF A FINISHING MACHINE FOR THE CONCRETE SUPERSTRUCTURE, AT THE APPROVAL OF THE ENGINEER.
- COMMITMENTS:
 - NONE



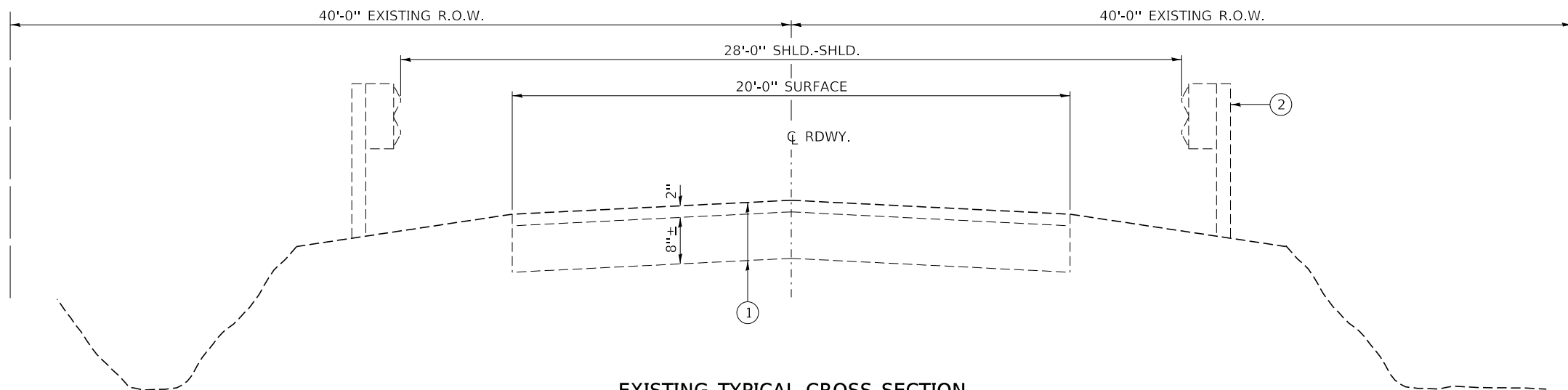
FIELD ENTRANCE DETAIL
STA. 13+90



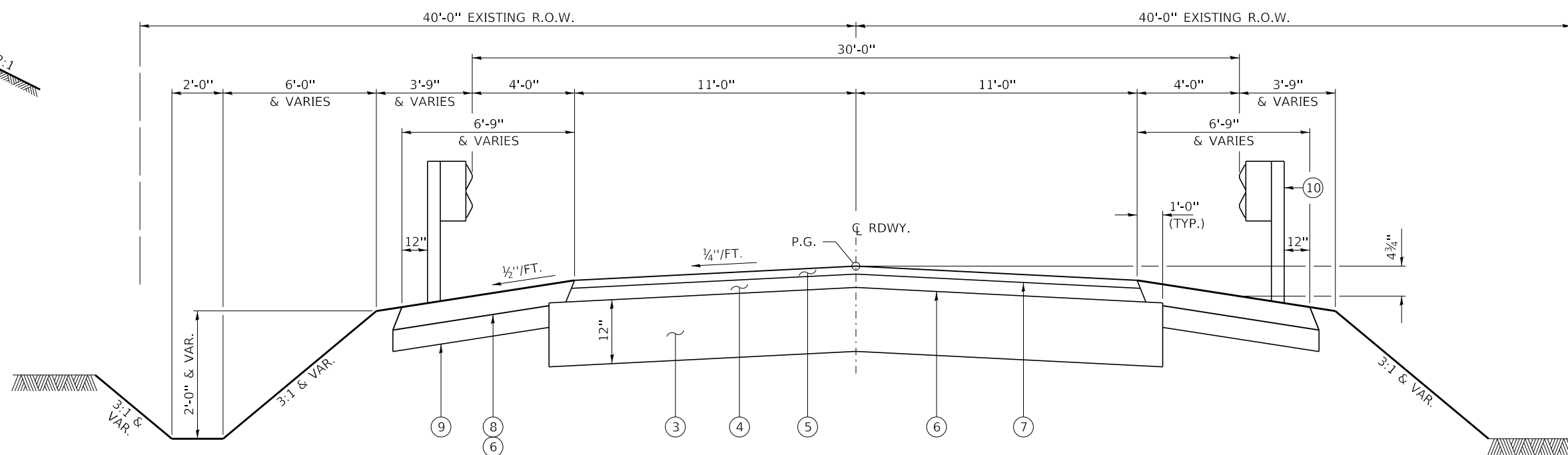
SECTION A-A



SECTION B-B



EXISTING TYPICAL CROSS SECTION
STA. 12+00 TO 18+00



PROPOSED TYPICAL CROSS SECTION
STA. 13+50 TO 17+00

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING
ROADWAY ARE TO BE CONSTRUCTED FROM STA. 13+50 TO 14+00 AND
STA. 16+50 TO 17+00. SEE SHEET 19 FOR TRANSITION AT BRIDGE.

LEGEND

- ① EXISTING 2" HMA PAVEMENT ON 8" AGGREGATE BASE
- ② EXISTING STEEL PLATE BEAM GUARDRAIL
- ③ AGGREGATE BASE COURSE, TY B
- ④ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 (THICKNESS 2 1/2")
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (THICKNESS 1 1/2")
- ⑥ BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ BITUMINOUS MATERIALS (TACK COAT)
- ⑧ HOT-MIX ASPHALT SHOULDERS, 4"
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE C, 4"
- ⑩ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

FILE NAME = 140254-shit4ypsec@ons.dgn	USER NAME = rmosck	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	TYPICAL CROSS SECTIONS		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3088 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = \$SCALE\$	DRAWN - R.D.H.	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	1322	16-00126-00-BR	FORDKANKAKEE	27 3
	PLOT DATE = 12/10/2020	CHECKED - S.W.M.	REVISED -					CONTRACT NO. 87660				
		DATE - 12/10/2020	REVISED -					ILLINOIS FED. AID PROJECT PD16(726)				

GUARDRAIL SCHEDULE					
LOCATION	TRAFFIC BARRIER TERMINAL TYPE 5A *	STEEL PLATE BEAM GUARDRAIL TYPE A 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL REMOVAL
	63100075	63000001	63100167	78201000	63200310
CH 4 / CABERY ROAD	EACH	FOOT	EACH	EACH	FOOT
LT. STA. 14+18.64 TO LT. STA.14+94.39	1	12.5	1	1	
RT. STA. 13+61.53 TO RT. STA. 14+74.78	1	50	1	1	
LT. STA. 15+39.22 TO LT. STA. 16+52.47	1	50	1	1	
RT. STA. 15+19.61 TO RT. STA. 15+95.36	1	12.5	1	1	
LT. STA. 14+35.0 TO LT. STA. 16+11.0					148
RT. STA. 14+20.0 TO RT. STA. 15+97.0					148
TOTAL	4	125	4	4	296

* - THE TRAFFIC BARRIER TYPE 5A SHALL TRANSITION IN HEIGHT FROM THE STEEL RAILING TYPE S1 TO THE STEEL PLATE BEAM GUARDRAIL, TYPE A

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
LOCATIONS(S)	CH 23 / CABERY ROAD	CH 23 / CABERY ROAD
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE / ASPHALT SHOULDERS (TOP LIFT)	HOT-MIX ASPHALT BINDER COURSE / ASPHALT SHOULDERS (BOTTOM)
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4% @ 50 Gyr.	4% @ 50 Gyr.
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIXTURE C	NONE
DENSITY TEST METHOD	CORES	CORES
MIXTURE WEIGHT:	112 LBS \ SY \ INCH THICKNESS	112 LBS \ SY \ INCH THICKNESS
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A

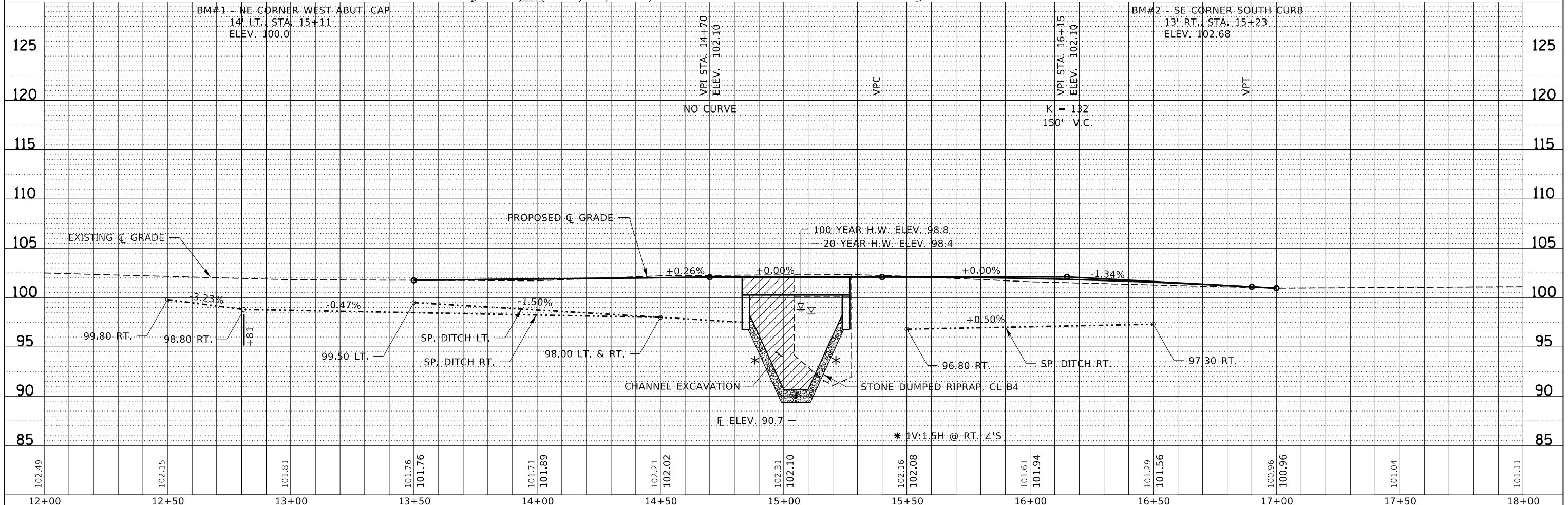
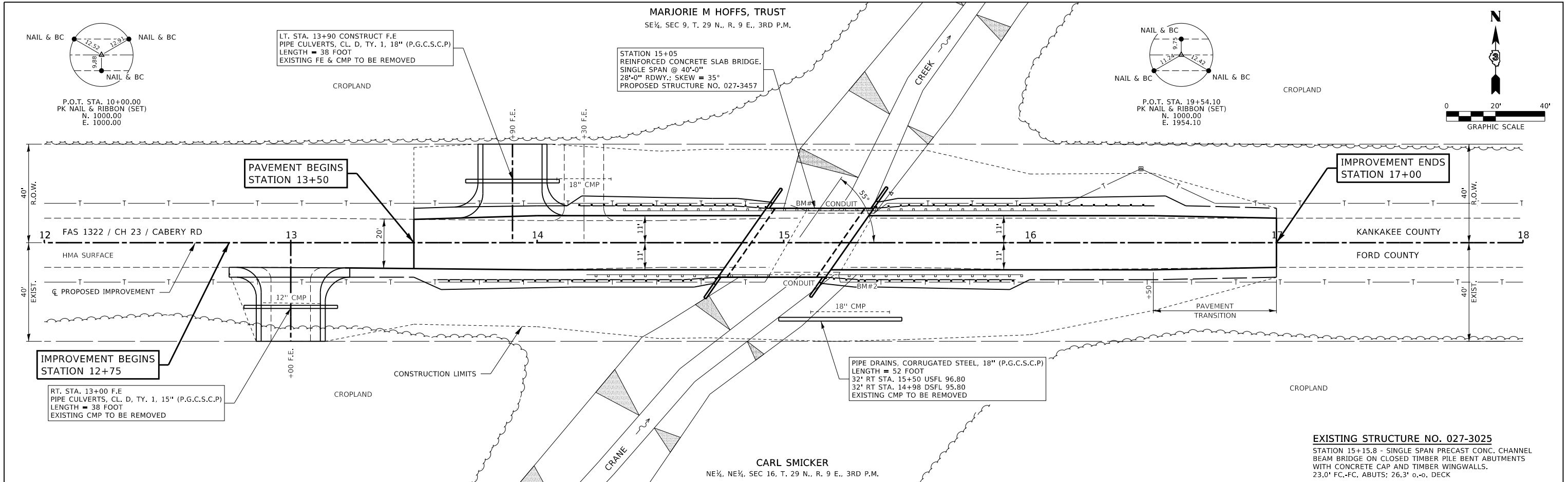
EARTHWORK SCHEDULE							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
CH 23 / CABERY ROAD							
STA. 12+75 TO STA. 14+85.17	346		25.00%	100.00%	259	15	244
STA. 14+85.17 TO STA. 15+28.83		245	25.00%	70.00%	129		129
STA. 15+28.83 TO STA. 12+50	234		25.00%	100.00%	175	58	117
ENTRANCE EMBANKMENT						36	-36
TOTAL	580	245			563	110	454
USE	580	245					454

WASTE = 454 CU YDS

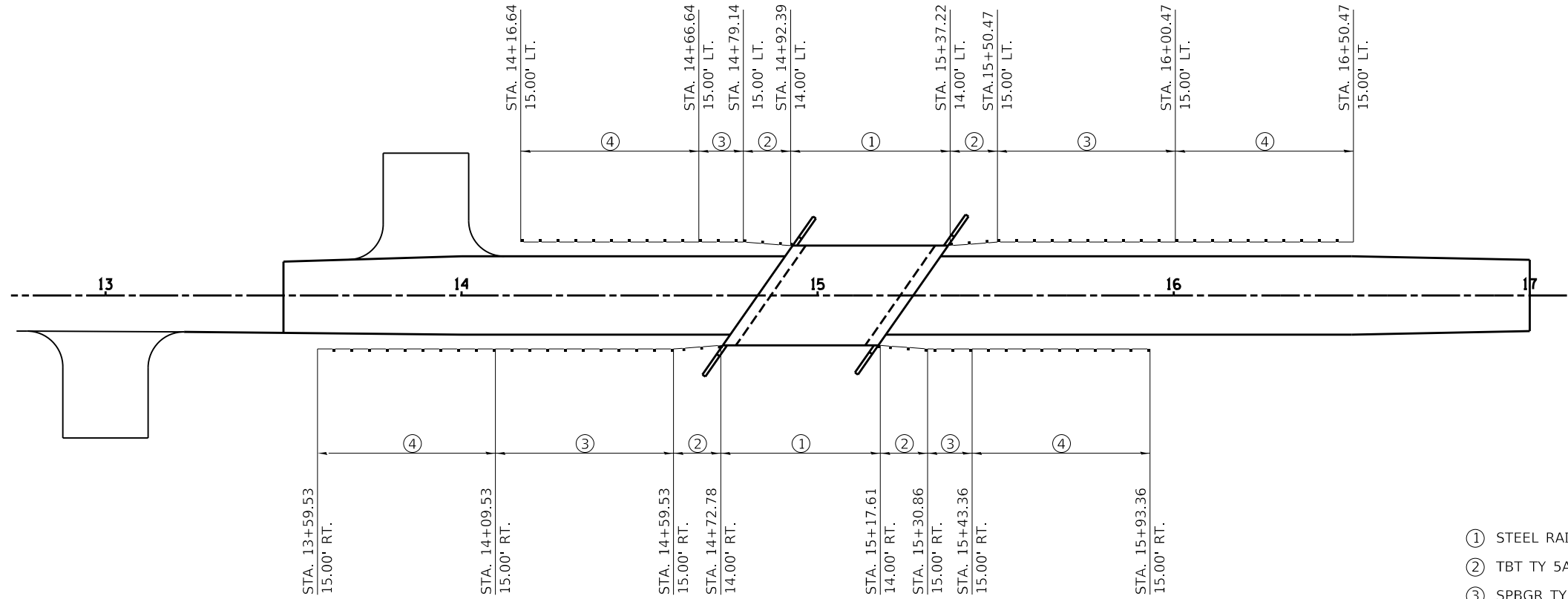
ROADWAY SCHEDULE								
LOCATION	SUBBASE GRANULAR MATERIAL, TYPE C, 4"	AGGREGATE BASE COURSE TYPE B, 12"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT MIX ASPHALT BINDER COURSE IL-19.0, N50	HOT MIX ASPHALT SURFACE COURSE MIX C, N50	AGGREGATE SHOULDERS, TYPE B 6"	HOT MIX ASPHALT SHOULDERS, 4"
	31102100	35101400	40600275	40600290	40603082	40603310	48101500	48203013
CH 23 / CABERY ROAD	SQ YD	TON	POUND	POUND	TON	TON	SQ YD	SQ YD
STA. 12+75 TO STA. 14+85.17	196	243	1,173	117	47	27	61	221
STA. 15+28.83 TO STA. 17+00	196	316	1,393	139	61	35	50	222
ENTRANCES		46	0	0	0	0		
TOTAL	392	605	2567	257	108	62	111	443
USE	392	605	2567	257	108	62	111	443

DATE	
BY	
REVIEWED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATING CHKD	
FILE NAME	
NO.	

DATE	
BY	
REVIEWED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATING CHKD	
FILE NAME	
NO.	

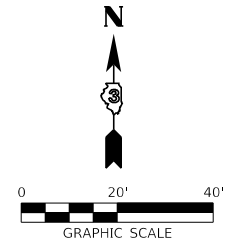


FILE NAME = 140254-sht-p&p.dgn	USER NAME = rmosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE SCALE: 20H:5V SHEET NO. 1 OF 1 SHEETS STA. 12+00.00 TO STA. 18+00.00	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 184.000959		DRAWN - L.G.C.	REVISED -			1322	16-00126-00-BR	FORD/KANKAKEE	27	5	
PLOT SCALE = \$SCALE\$ PLOT DATE = 12/10/2020		CHECKED - S.W.M.	REVISED -			CONTRACT NO. 87660 ILLINOIS FED. AID PROJECT PQ16(726)					
		DATE = 12/10/2020	REVISED -								

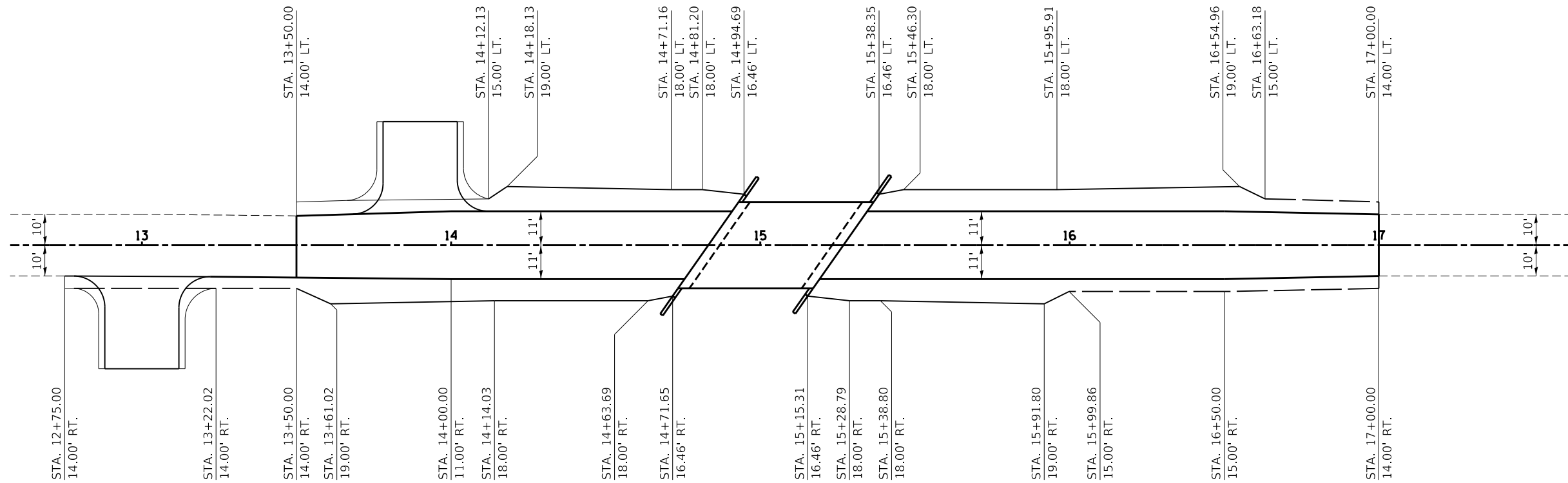


GUARDRAIL LAYOUT

- ① STEEL RAILING, TYPE S-1
- ② TBT TY 5A
- ③ SPBGR TYPE A, 6 FT POSTS
- ④ TBT TY 1 SPL TAN



NOTE:
CONSTRUCT HORIZONTAL AND VERTICAL TRANSITIONS FROM THE BRIDGE RAIL TO SPBGR / TBT T1 WITHIN THE LENGTH OF THE TBT TY 5A.



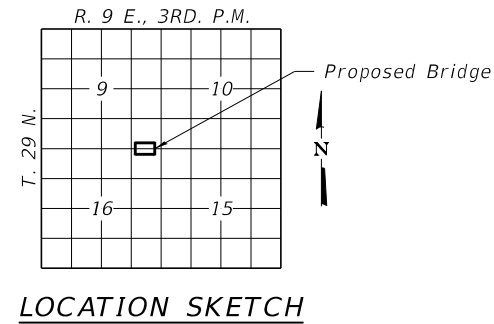
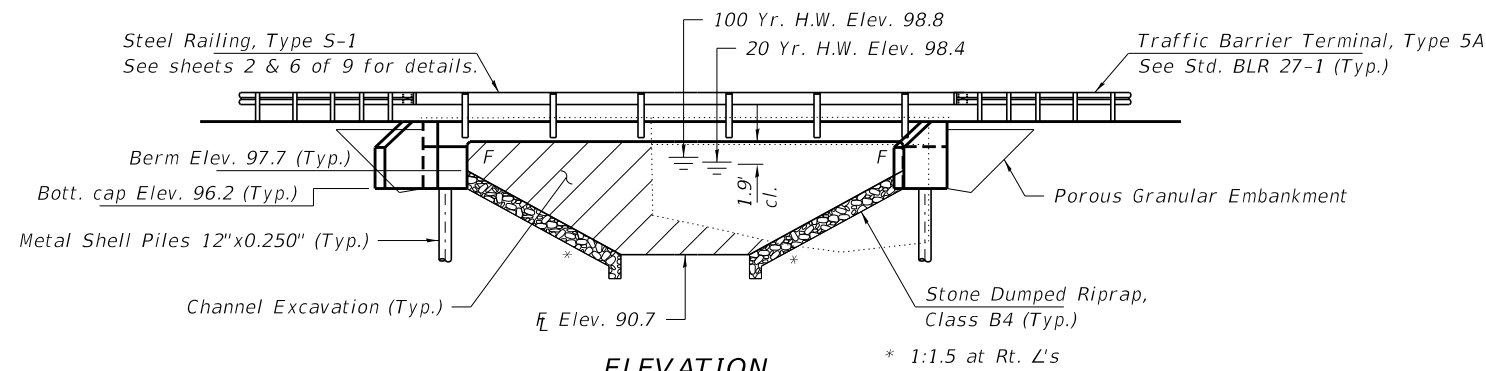
SHOULDER LAYOUT

BENCHMARK: SE corner South curb. 13' Rt., Sta. 15+23, Elev. 102.68

EXISTING STRUCTURE NO. 027-3025: Sta. 15+15.8 - Single span precast concrete channel beam bridge on closed timber pile bent abutments with concrete cap and timber wingwalls. 23.0' fc.-fc. abuts.; 26.3' o.-o. deck.

Structure will be closed to traffic during construction.

No Salvage



GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at East Abutment or approved by the Engineer before ordering the remainder of piles. Reinforcement bars designated (E) shall be epoxy coated.

Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

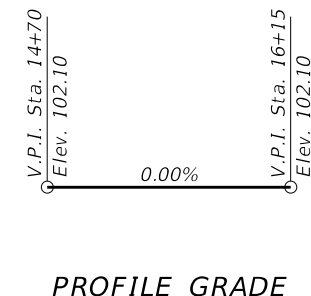
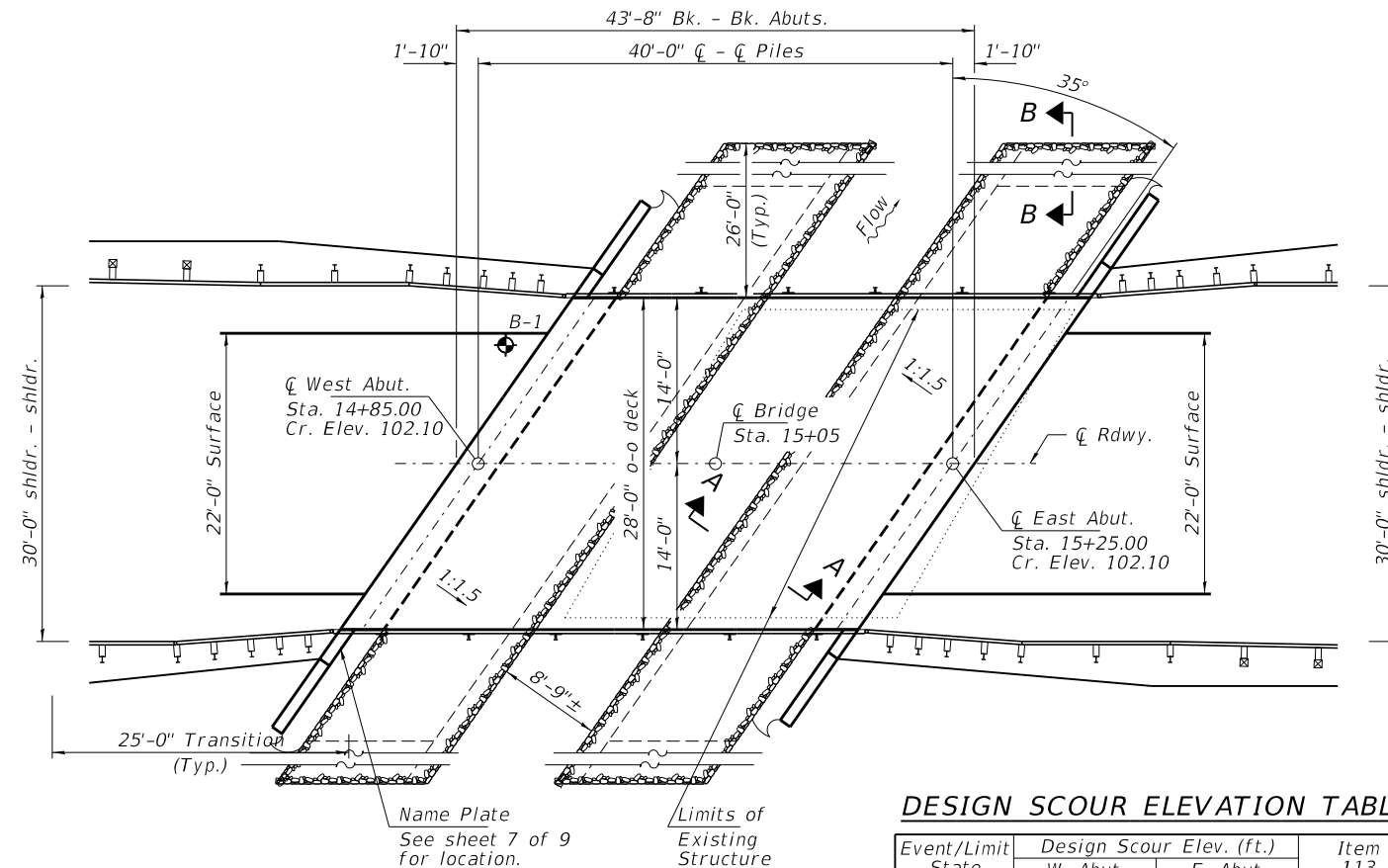
All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.

The Contractor shall make allowance for the deflection of forms, shrinkage, and settlement of falsework, in addition to allowance for dead load deflection.

Protective Coat shall be applied to the top surface and the sides of the concrete deck and wingwalls.

Bridge Deck Grooving shall be completed on the bridge deck. Pavement rollers shall not be allowed on bridge deck grooving. All construction joints shall be bonded.

- INDEX OF STRUCTURE SHEETS**
1. General Plan & Elevation
 2. General Details
 3. Slab Elevations
 4. Superstructure
 5. Superstructure Details
 6. Steel Railing, Type S-1
 7. Abutments
 8. Metal Shell Pile Details
 9. Borings



DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elev. (ft.)		Item 113
	W. Abut.	E. Abut.	
Q100	96.2	96.2	8
Q200	96.2	96.2	
Design	96.2	96.2	
Check	96.2	96.2	

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.075g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.130g
Soil Site Class = C

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition with all interims.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

f_c = 4,000 psi (Super)
f_c = 3,500 psi (Sub)
f_y = 60,000 psi (Reinf.)

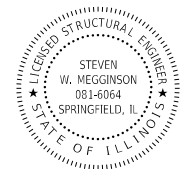
WATERWAY INFORMATION

Flood		Q		Opening		Nat.		Head - Ft.		Headwater El.	
Freq. Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
10	300	120	140	98.16	0.05	0.03	98.21	98.19			
Design	20	360	120	140	98.41	0.08	0.05	98.49	98.46		
Base	100	500	130	160	98.81	0.19	0.13	99.00	98.94		
Max. Calc.	200	550	130	160	98.91	0.27	0.16	99.18	99.07		

10 Year Velocity through Existing Bridge = 2.5 f/s 10 Year Velocity through Proposed Bridge = 2.1 f/s

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Steven W. Megginson 12/10/2020
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064

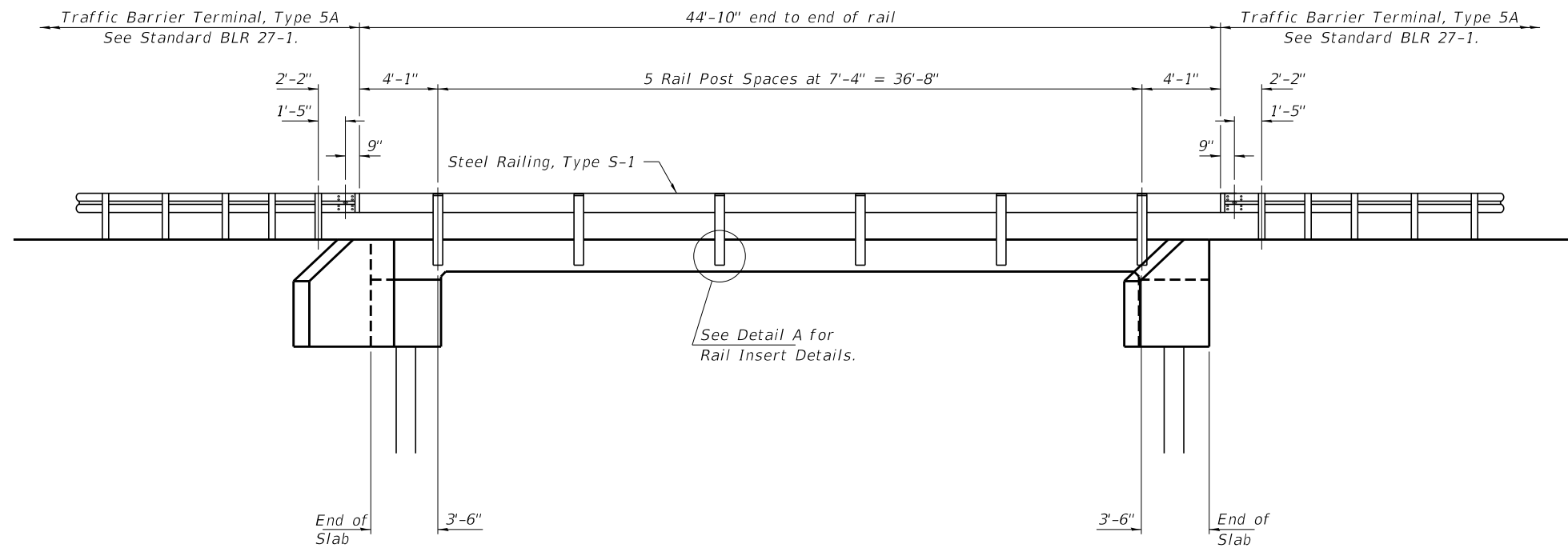


Expires 11-30-2022

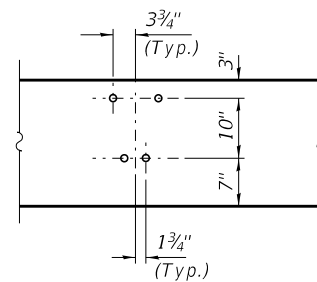
NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

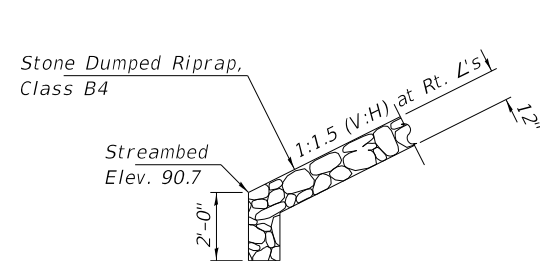
ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			245
Stone Dumped Riprap, Class B4	Ton			240
Removal of Existing Structures	Each			1
Concrete Structures	Cu. Yd.		32.4	32.4
Concrete Superstructure	Cu. Yd.	79.8		79.8
Bridge Deck Grooving	Cu. Yd.	136		136
Protective Coat	Sq. Yd.	152	23	175
Reinforcement Bars, Epoxy Coated	Pound	29,160	4,280	33,440
Steel Railing, Type S-1	Foot	90		90
Furnishing Metal Shell Piles 12"x0.250"	Foot		360	360
Driving Piles	Foot		360	360
Test Pile Metal Shells	Each		1	1
Name Plates	Each		1	1
Porous Granular Embankment	Ton			92



ELEVATION
 Showing Rail Post Spaces
 See sheet 6 of 9 for Railing Details.

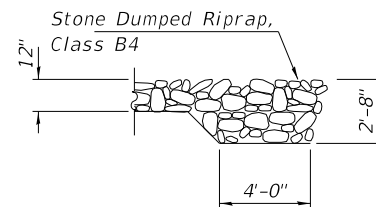


DETAIL A

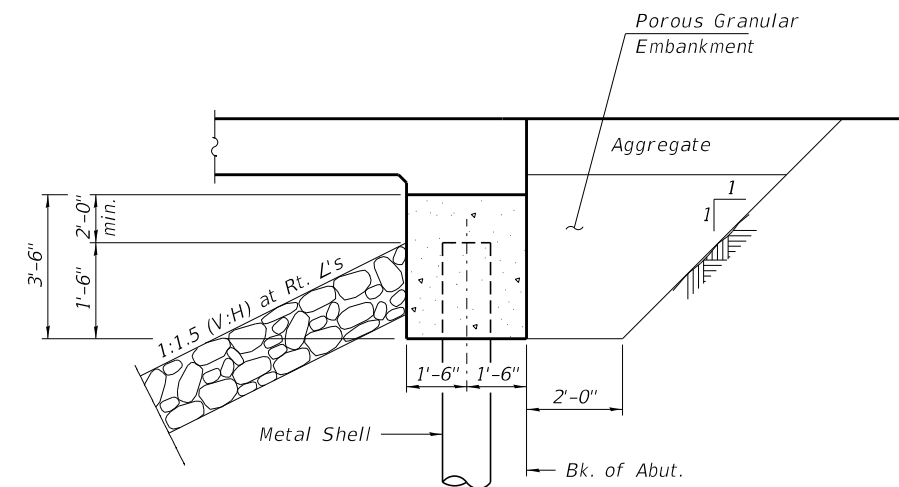


SECTION A-A

Note: See Special Provisions for Stone Dumped Riprap, Class B4.

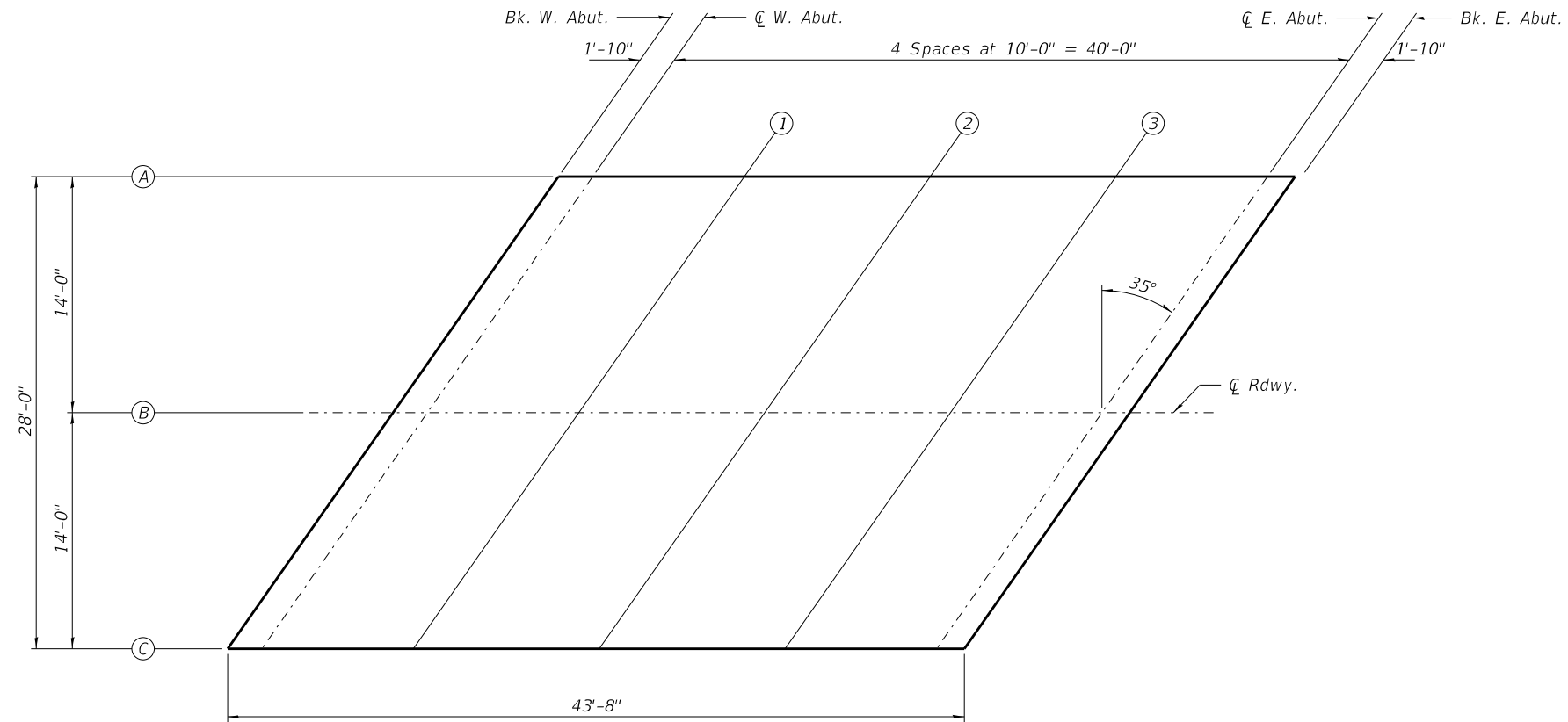


SECTION B-B



SECTION THRU ABUTMENT
 (Horiz. dim. at Rt. 45)

FILE NAME = 140254-shi-bridge.dgn	USER NAME = rthosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	GENERAL DETAILS STRUCTURE NO. 027-3457	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -			1322	16-00126-00-BR	FORD/KANKAKEE	27	8
PLOT DATE = 12/10/2020	DRAWN - R.D.H.	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 87660				
						SHEET NO. 2 OF 9 SHEETS				
						ILLINOIS FED. AID PROJECT PQ16(726)				



PLAN

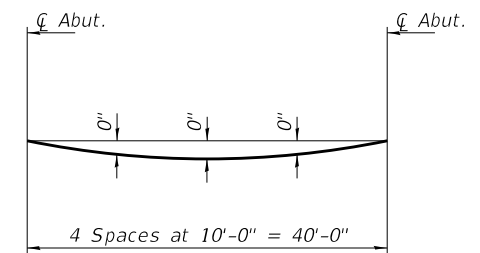
TABLE OF ELEVATIONS

LOCATION		BK. W. ABUT.	CL. W. ABUT.	SPAN 1			CL. E. ABUT.	BK. E. ABUT.
LINE	T.	101.808	101.808	101.808	101.808	101.808	101.808	101.808
A	ADJ.	101.808	101.808	101.811	101.812	101.811	101.808	101.808
**	Bott. of Slab	100.142	100.142	100.144	100.145	100.144	100.142	100.142

LOCATION		BK. W. ABUT.	CL. W. ABUT.	SPAN 1			CL. E. ABUT.	BK. E. ABUT.
LINE	T.	102.100	102.100	102.100	102.100	102.100	102.100	102.100
B	ADJ.	102.100	102.100	102.102	102.103	102.102	102.100	102.100
	Bott. of Slab	100.433	100.433	100.436	100.437	100.436	100.433	100.433

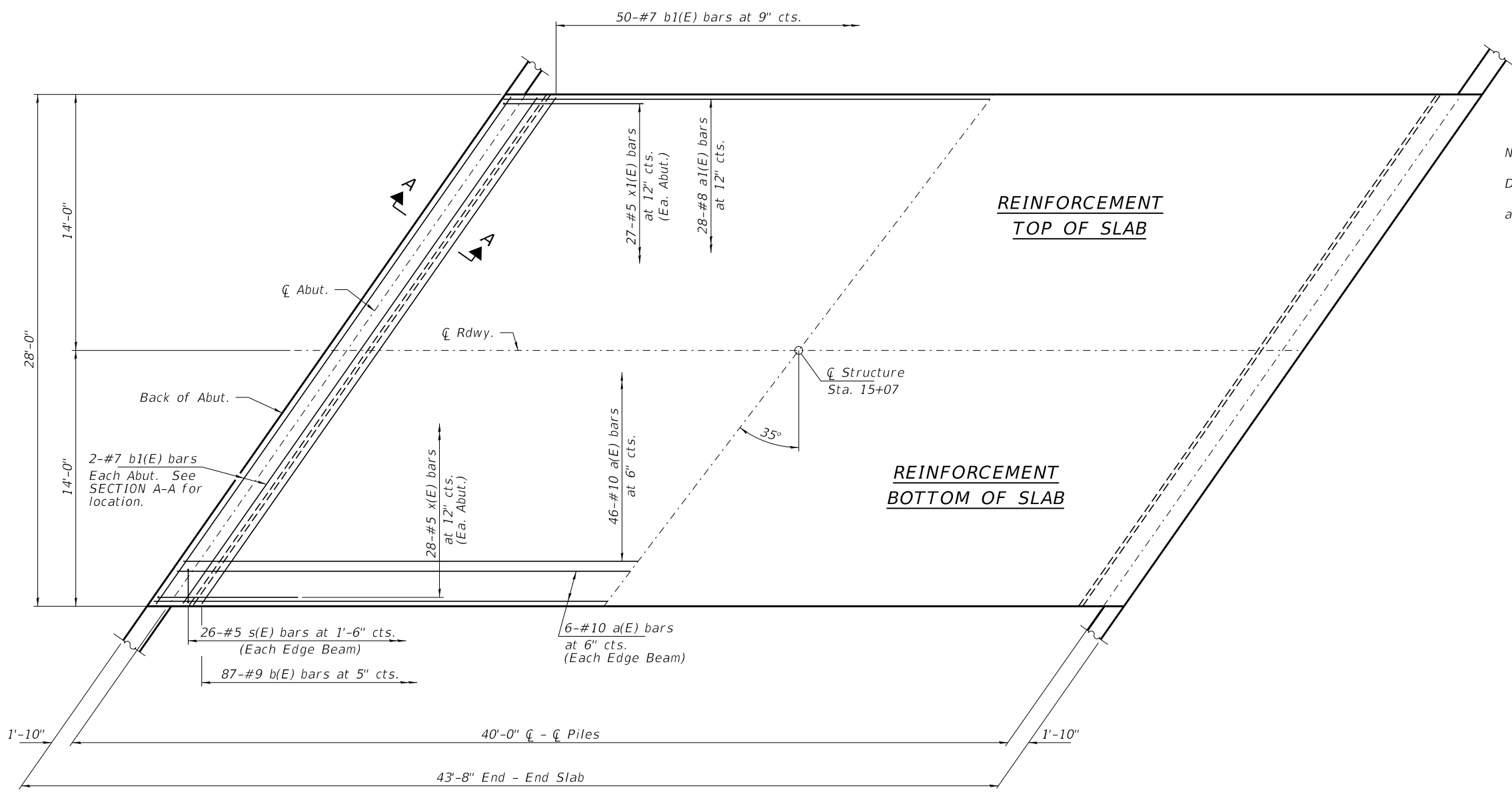
LOCATION		BK. W. ABUT.	CL. W. ABUT.	SPAN 1			CL. E. ABUT.	BK. E. ABUT.
LINE	T.	101.808	101.808	101.808	101.808	101.808	101.808	101.808
C	ADJ.	101.808	101.808	101.811	101.812	101.811	101.808	101.808
**	Bott. of Slab	100.142	100.142	100.144	100.145	100.144	100.142	100.142

T. - Theoretical elevation at top of slab
Adj. - T adjusted for dead load deflection



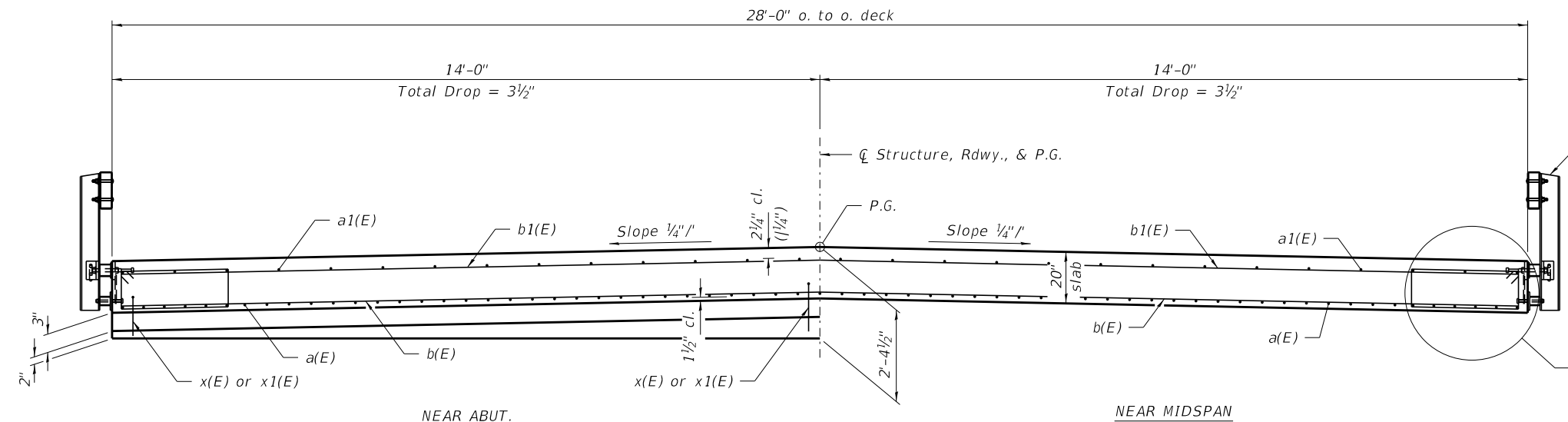
DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Notes:
The deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown.
The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework in addition to allowance for dead load deflection.



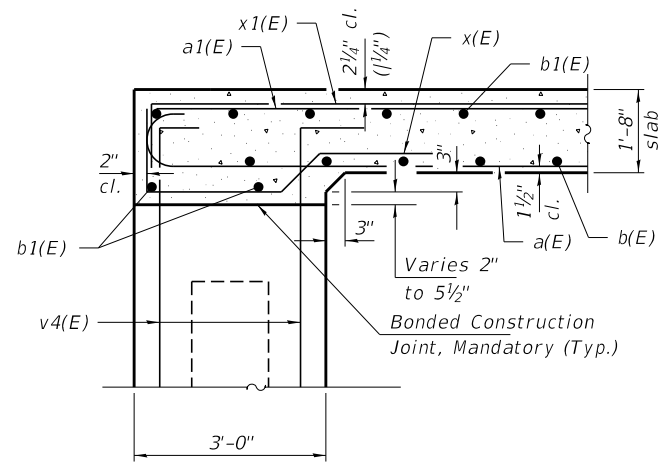
Notes:
 See sheets 5 of 9 for Superstructure
 Details and Bill of Material.
 See sheet 5 of 9 for SECTION A-A,
 and DETAIL A.

PLAN

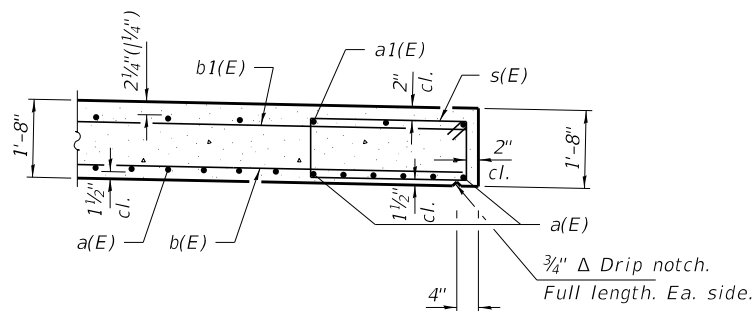


CROSS SECTION
 (Looking East)

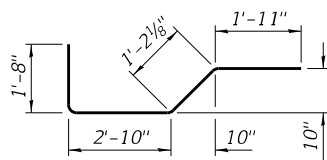
FILE NAME = 140254-shi-bridg.dgn	USER NAME = rtholck	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE STRUCTURE NO. 027-3457	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -			1322	16-00126-00-BR	FORD/KANKAKEE	27	10	
PLOT DATE = 12/10/2020	DRAWN - R.D.H.	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 87660					
						SHEET NO. 4 OF 9 SHEETS					



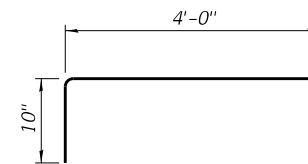
SECTION A-A



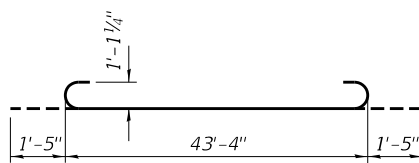
DETAIL A



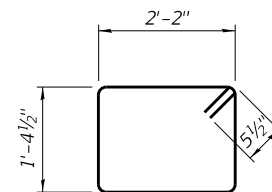
BAR x(E)



BAR x1(E)



BAR a(E)



BAR s(E)

**SUPERSTRUCTURE
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	58	#10	46'-2"	
a1(E)	28	#8	43'-4"	
b(E)	87	#9	32'-7"	
b1(E)	54	#7	32'-7"	
s(E)	52	#5	8'-1"	
x(E)	56	#5	7'-8"	
x1(E)	54	#5	4'-10"	
Concrete Superstructure			Cu. Yd.	79.8
Protective Coat			Sq. Yd.	152
Reinforcement Bars, Epoxy Coated			Pound	29,160

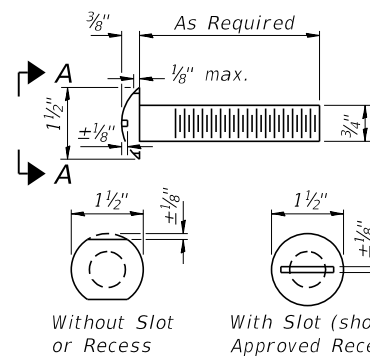
Reinforcement bars designated (E) shall be epoxy coated.

FILE NAME = 140254-shi-bridge.dgn	USER NAME = rthosick	DESIGNED - L.A.P.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. <small>3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959</small>		CHECKED - S.W.M.	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - R.D.H.	REVISIED -	
PLOT DATE = 12/10/2020	CHECKED - S.W.M.	REVISED -	

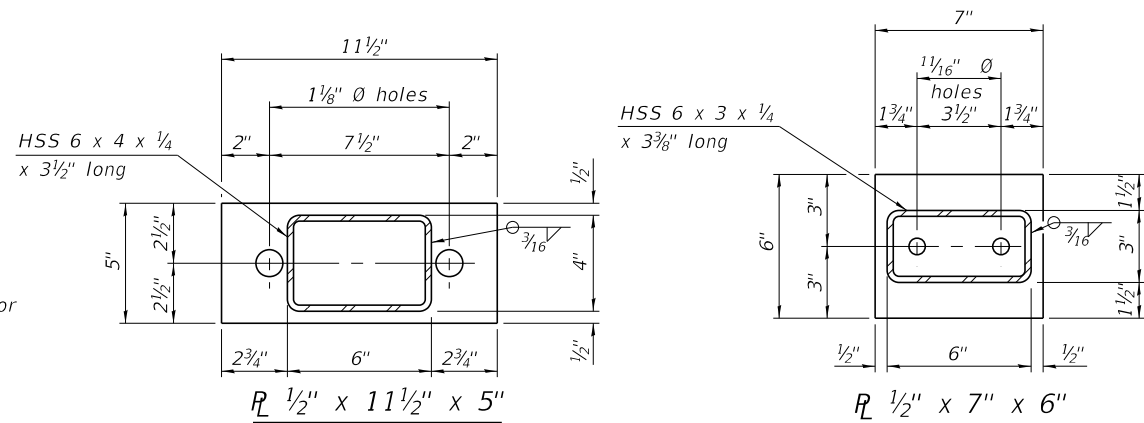
**STATE OF ILLINOIS
FORD COUNTY HIGHWAY DEPARTMENT**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 027-3457**

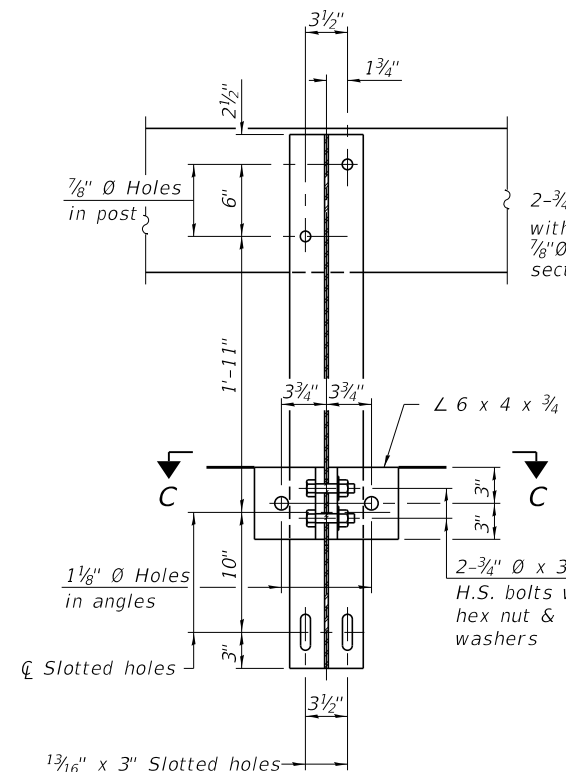
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1322	16-00126-00-BR	FORD/KANKAKEE	27	11
CONTRACT NO. 87660				
ILLINOIS FED. AID PROJECT PQ16(726)				



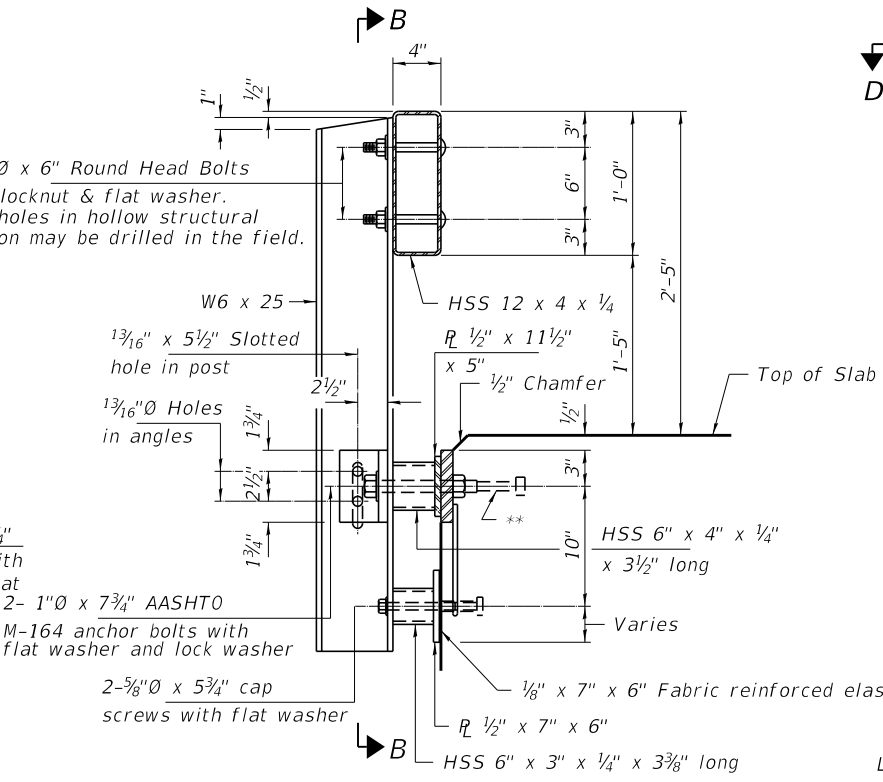
VIEW A-A
ROUND HEAD BOLT



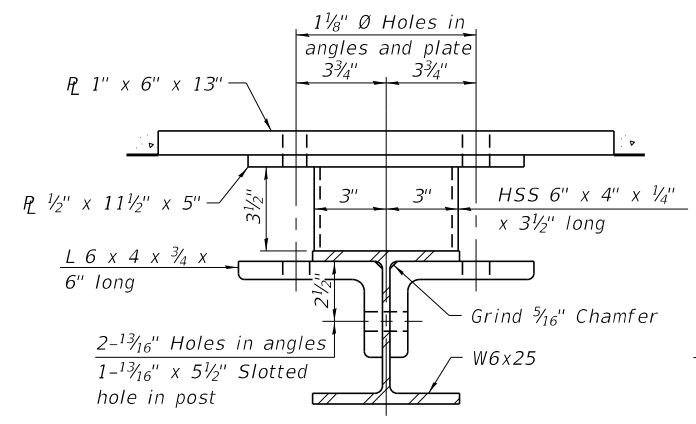
HSS 6 x 4 x 1/4 x 3 1/2" long
HSS 6 x 3 x 1/4 x 3 3/8" long



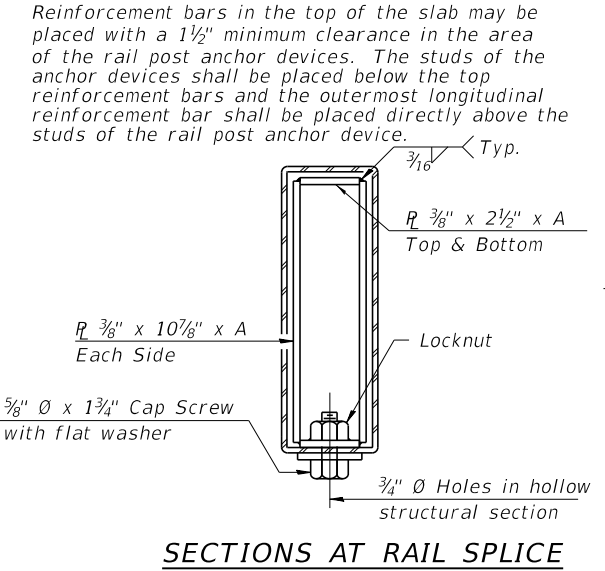
SECTION B-B



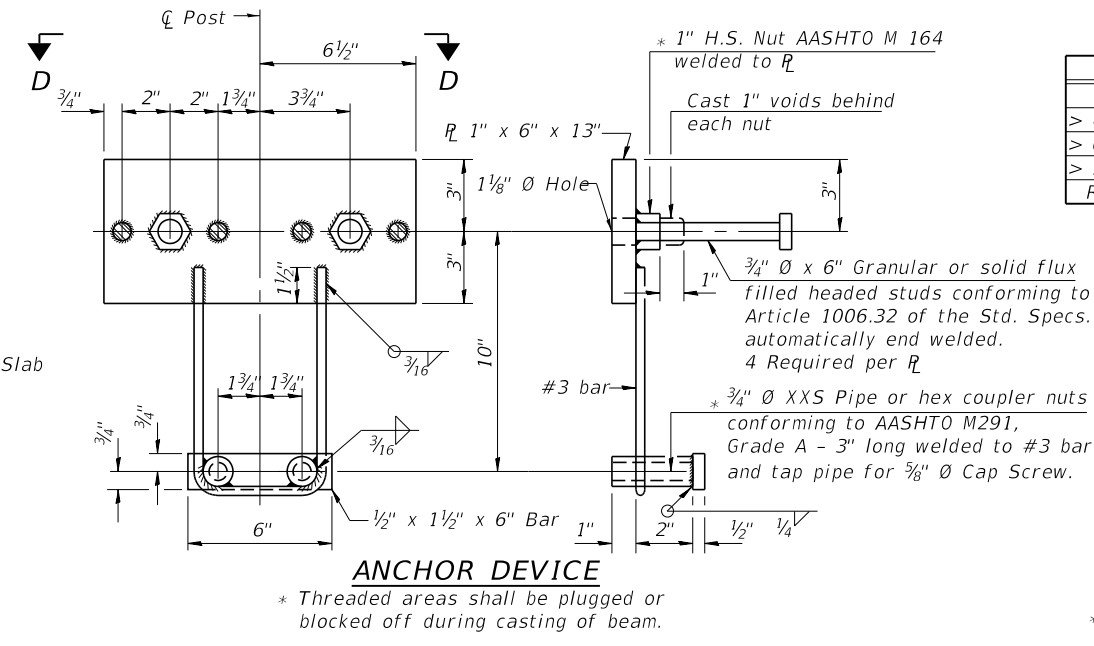
SECTION AT RAILING POST



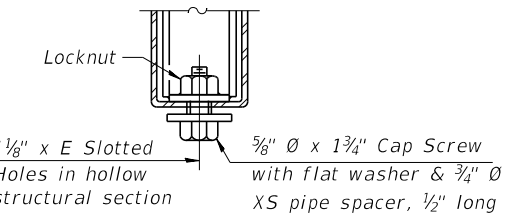
SECTION C-C



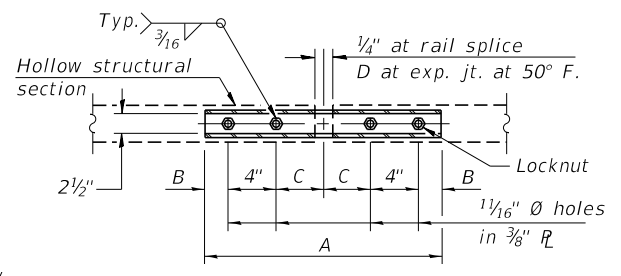
SECTIONS AT RAIL SPLICE



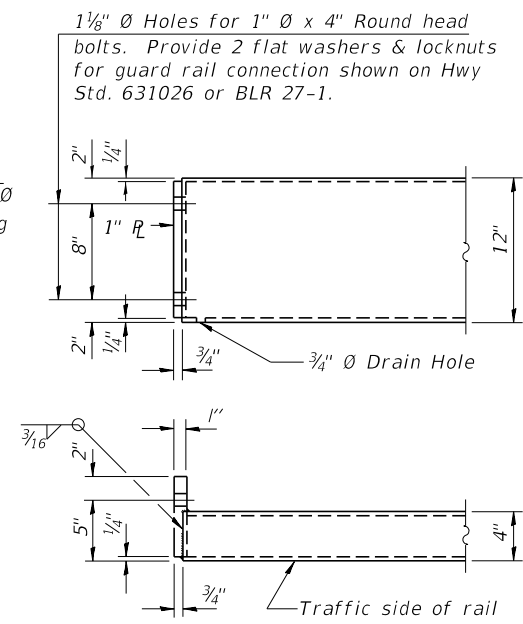
ANCHOR DEVICE



RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTT. SPLICE R TYPICAL



END OF RAIL DETAILS

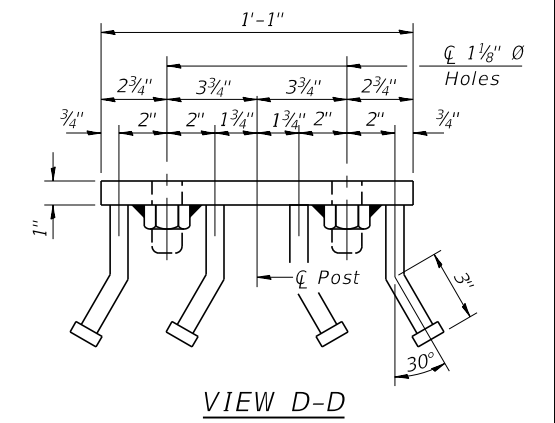
SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

Notes:
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

**The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.

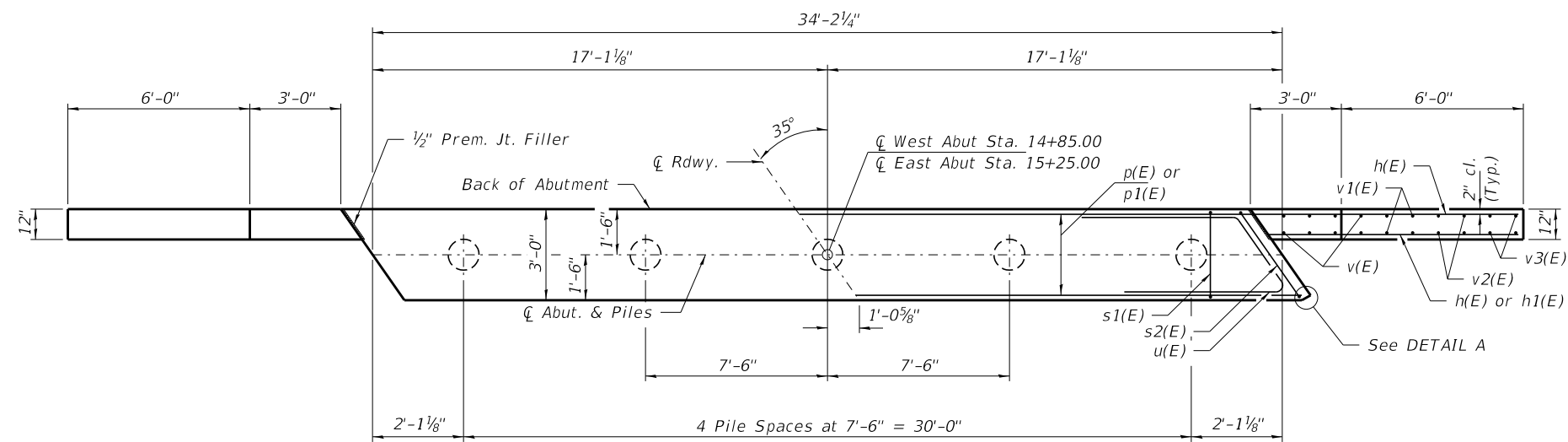


VIEW D-D

BILL OF MATERIAL

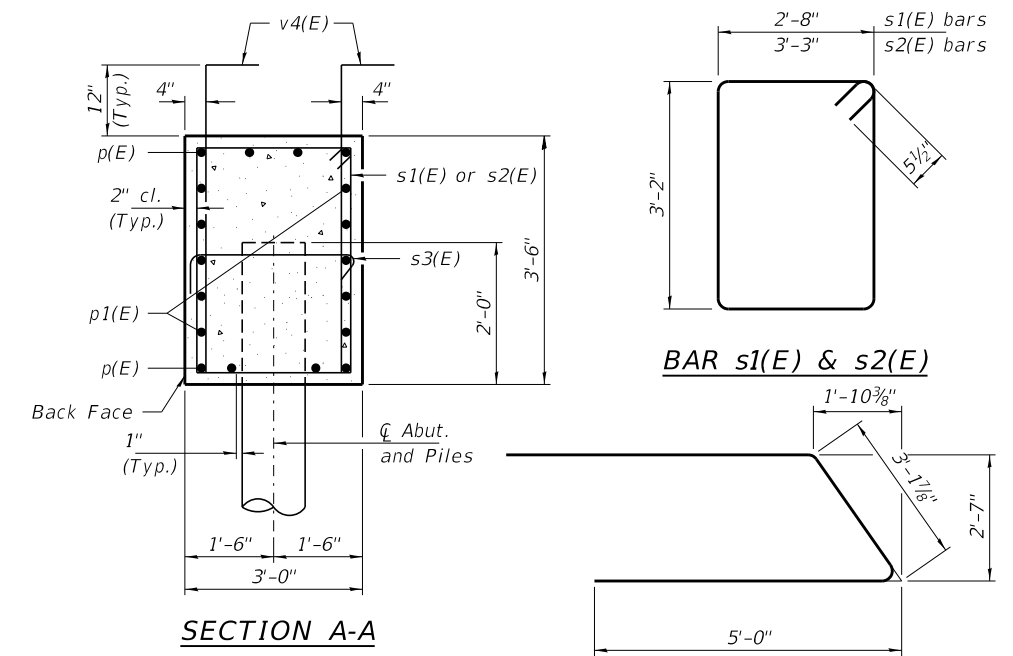
Item	Unit	Quantity
Steel Railing, Type S-1	Foot	90

R-23A 2-17-2017 (10'-9" Maximum Post Spacing)



PLAN

Notes: Extend h1(E) bars into abutment cap and superstructure.
 Top of wing shall be poured monolithic with the deck. Bottom of wing shall be poured monolithic with the abutment cap. Entire quantity included with Concrete Structures.
 For details of piles, see sheet 8 of 9.
 Protective coat shall be applied to the front face and top of wing wall.



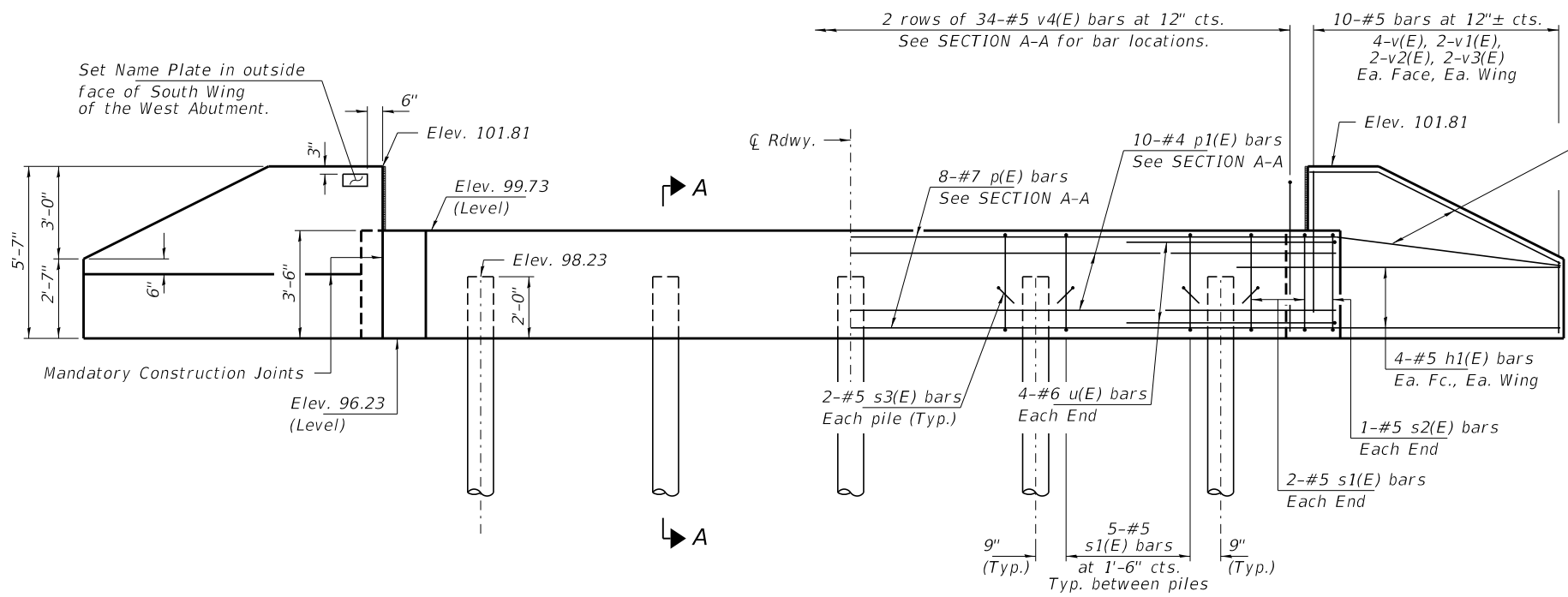
SECTION A-A

BAR s1(E) & s2(E)

BAR u(E)

BAR s3(E)

BAR v4(E)



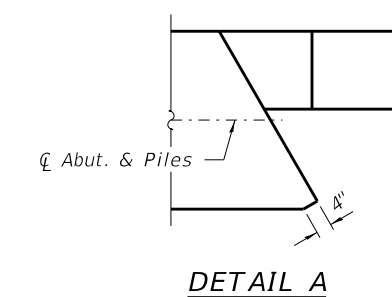
ELEVATION

PILE DATA

Type: Metal Shell Piles 12"x0.250"
 Nominal Required Bearing: 236 Kips/Pile
 Factored Resistance Available: 130 Kips/Pile
 Est. Length: 40 Ft/Pile
 No. Production Piles: 9
 No. Test Piles: 1

Notes: One test pile shall be driven in a permanent location at the East Abutment.

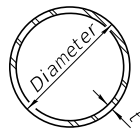
The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.



DETAIL A

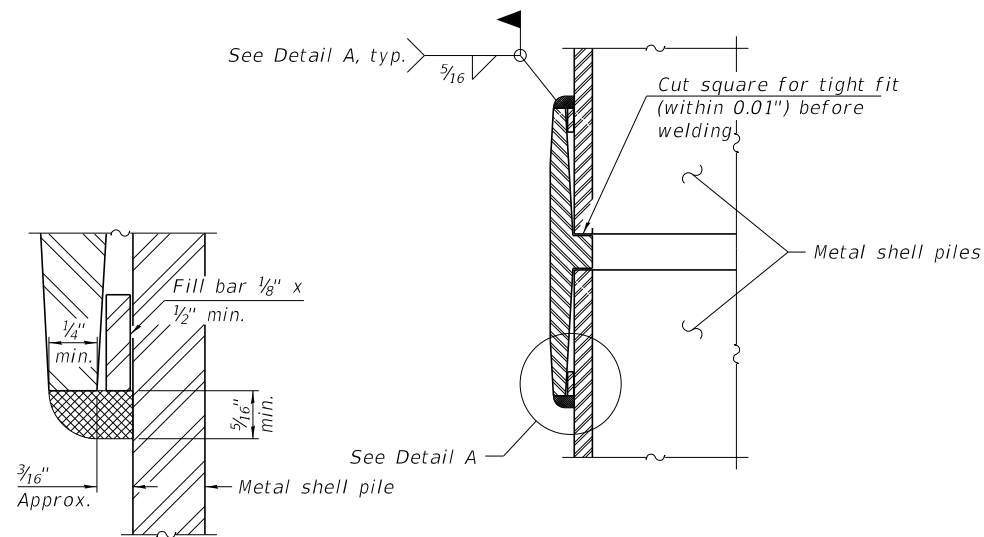
BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	24	#5	11'-3"	—
h1(E)	32	#5	8'-9"	—
p(E)	16	#7	33'-10"	—
p1(E)	20	#4	33'-10"	—
s1(E)	48	#5	12'-7"	□
s2(E)	4	#5	13'-9"	□
s3(E)	20	#5	4'-0"	┌
u(E)	16	#6	13'-2"	—
v(E)	32	#5	5'-2"	—
v1(E)	16	#5	4'-3"	—
v2(E)	16	#5	3'-4"	—
v3(E)	16	#5	2'-4"	—
v4(E)	136	#5	5'-2"	└
Concrete Structures			Cu. Yd.	32.4
Protective Coat			Sq. Yd.	23
Reinforcement Bars, Epoxy Coated			Pound	4,280
Furnishing Metal Shell Piles 12"x0.250"			Foot	360
Driving Piles			Foot	360
Test Pile Metal Shell			Each	1
Name Plates			Each	1

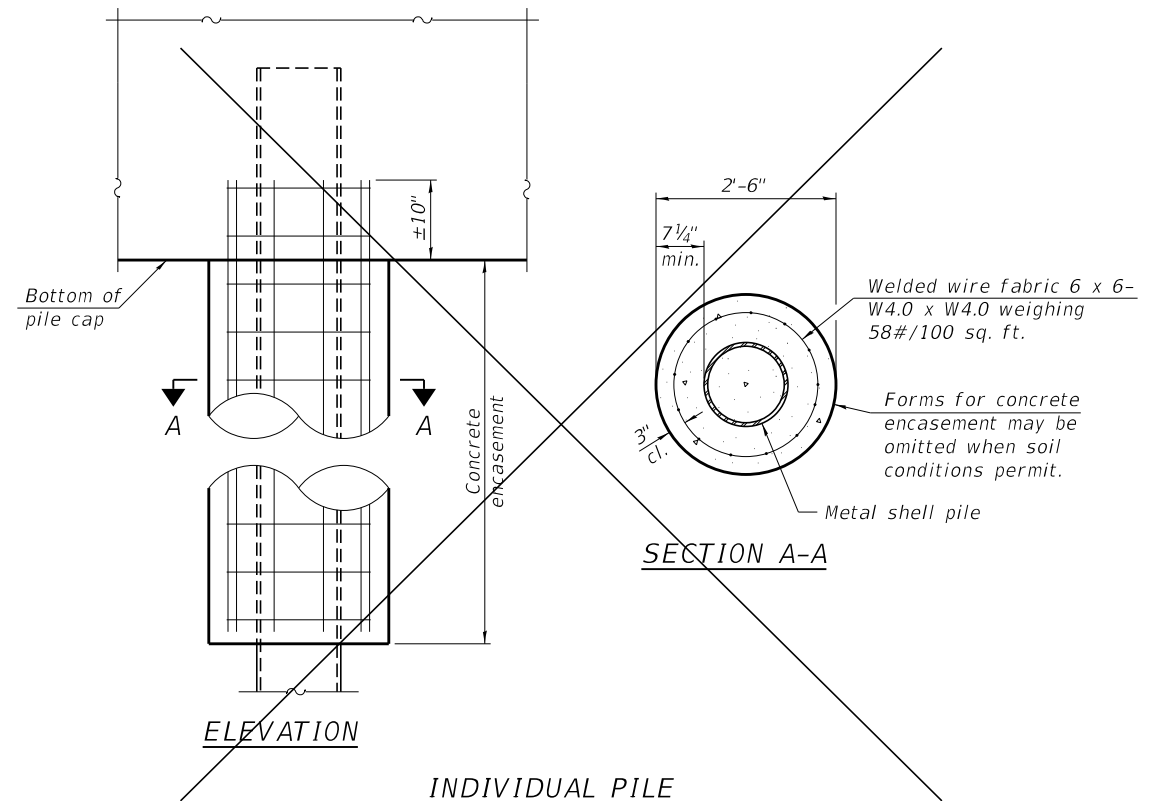


METAL SHELL PILE TABLE

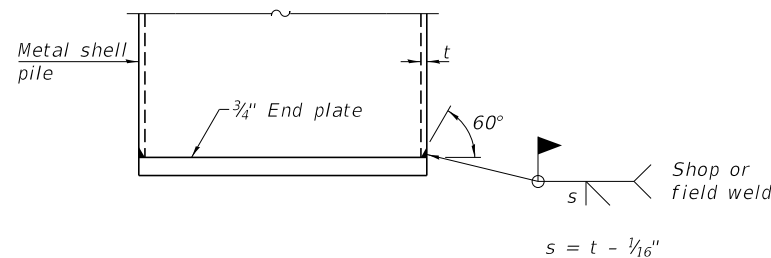
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



DETAIL A

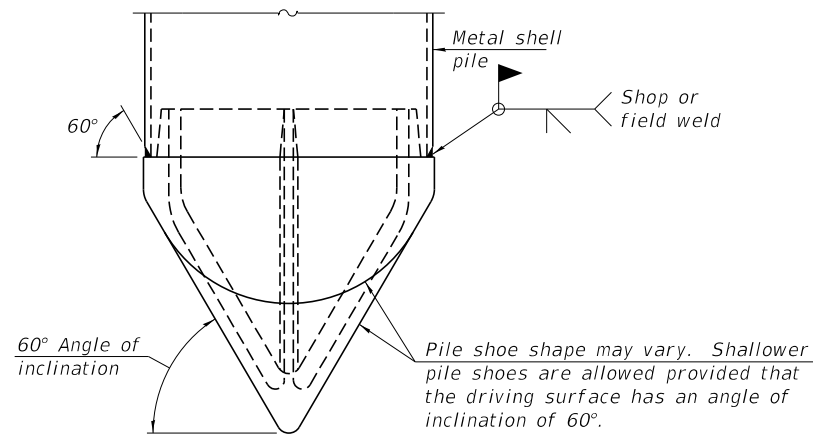


INDIVIDUAL PILE CONCRETE ENCASEMENT
(Not required)



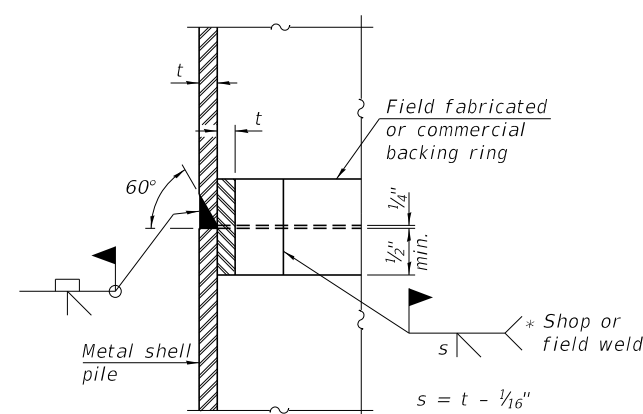
END PLATE ATTACHMENT

WELDED COMMERCIAL SPLICE
Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



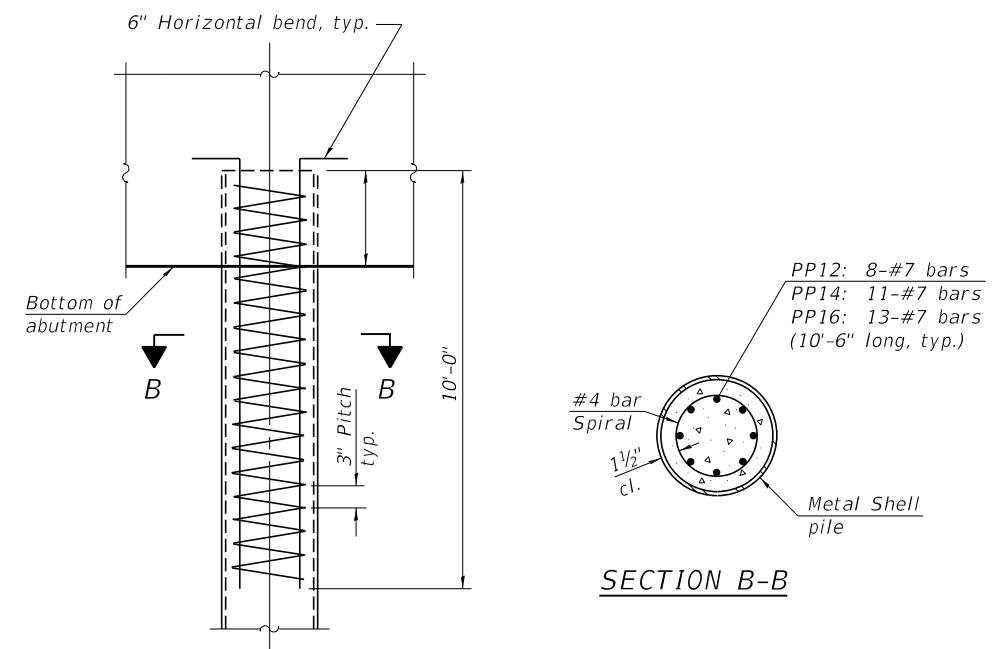
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS 1-1-2020

FILE NAME = 140254-shi-bridge.dgn	USER NAME = rthosck	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	METAL SHELL PILE DETAILS STRUCTURE NO. 027-3457	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -			1322	16-00126-00-BR	FORDKANKAKEE	27	14	
	PLOT DATE = 12/10/2020	DRAWN - R.D.H.	REVISED -			CONTRACT NO. 87660					
		CHECKED - S.W.M.	REVISED -			SHEET NO. 8 OF 9 SHEETS					



BORING NO. B-1
PAGE 1 OF 2

CLIENT Hampton, Lenzini & Renwick PROJECT NAME Section 16-00126-00-BR: E 4100 N Road
 PROJECT NUMBER 14-G547 PROJECT LOCATION Rogers Township, Ford Co, Illinois
 DATE COMPLETED 9/19/14 LOGGED BY DS/GL DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
0			0-2" ASPHALT PAVEMENT													
99.7	99.0		2"-10" GRAVEL SUBBASE													
			Mixed Gray and Black SILTY CLAY FILL with gravel stiff to very stiff, moist	SS 1	56	2-4-5 (9)	3.0		15.4							
				SS 2	56	3-3-3 (6)	2.0		19.5							
			(95.2)	SS 3	44	2-2-3 (5)	1.5	1.6	23.6							
			Brown mottled Gray SILTY CLAY trace sand and gravel very stiff to hard, moist	SS 4	100	6-8-10 (18)	4.0	3.5	18.7							
			(90.2)	SS 5	89	4-5-7 (12)	4.5	5.7	15.2							
			Gray SILT medium dense, moist	SS 6	89	4-7-7 (14)			19.0							
			(86.2)	SS 7	67	2-3-5 (8)	2.5	2.3	21.5							
			Gray SILTY CLAY trace sand and gravel stiff to hard, moist	SS 8	89	2-4-5 (9)	2.5	2.4	19.2							
				SS 9	89	3-5-7 (12)	3.0	3.2	25.8							
				SS 10	100	3-4-5 (9)	1.5	1.2	25.7							
				SS 11	78	10-6-6 (12)	2.0	1.6	16.3							
				SS 12	100	4-4-6 (10)	2.0	2.1	16.2							

COMPLETION DEPTH 60 ft GROUND ELEVATION 99.87 ft

CAVE DEPTH 11 ft BACKFILL Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING ---

AT END OF DRILLING --- Dry at cave depth

AFTER DRILLING ---

NOTES

Boring located 34 feet west from the end of the northwest guardrail and 10 feet north of the centerline. Temporary benchmark (100.0 feet) is the center of the bridge. (102.3)

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

9370 W. Laraway Rd, Suite D Frankfort, Illinois Phone (815) 806-9986 Fax (815) 464-8691

GPS STANDARD GEOTECH LOG - GPS STD DATA TEMPLATE.GDT - 9/30/14 16:08 - I:\GPS FILES\14\FRANKFORT\PROJECTS\14-G547 FORD KANKAKEE CO BRIDGE BORING.GPJ



BORING NO. B-1
PAGE 2 OF 2

CLIENT Hampton, Lenzini & Renwick PROJECT NAME Section 16-00126-00-BR: E 4100 N Road
 PROJECT NUMBER 14-G547 PROJECT LOCATION Rogers Township, Ford Co, Illinois
 DATE COMPLETED 9/19/14 LOGGED BY DS/GL DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
			Gray SILTY CLAY trace sand and gravel stiff to hard, moist (continued)	SS 13	100	5-5-7 (12)	2.25	2.3	14.8							
				SS 14	89	4-8-9 (17)	3.75	3.9	14.6							
				SS 15	100	5-8-10 (18)	4.25	4.6	15.6							
				SS 16	100	3-3-6 (9)	2.0	1.7	17.9							
				SS 17	100	4-5-8 (13)	2.5	2.3	16.6							
				SS 18	100	4-5-7 (12)	1.75	1.6	18.1							

Bottom of borehole at 60.0 feet.

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

9370 W. Laraway Rd, Suite D Frankfort, Illinois Phone (815) 806-9986 Fax (815) 464-8691

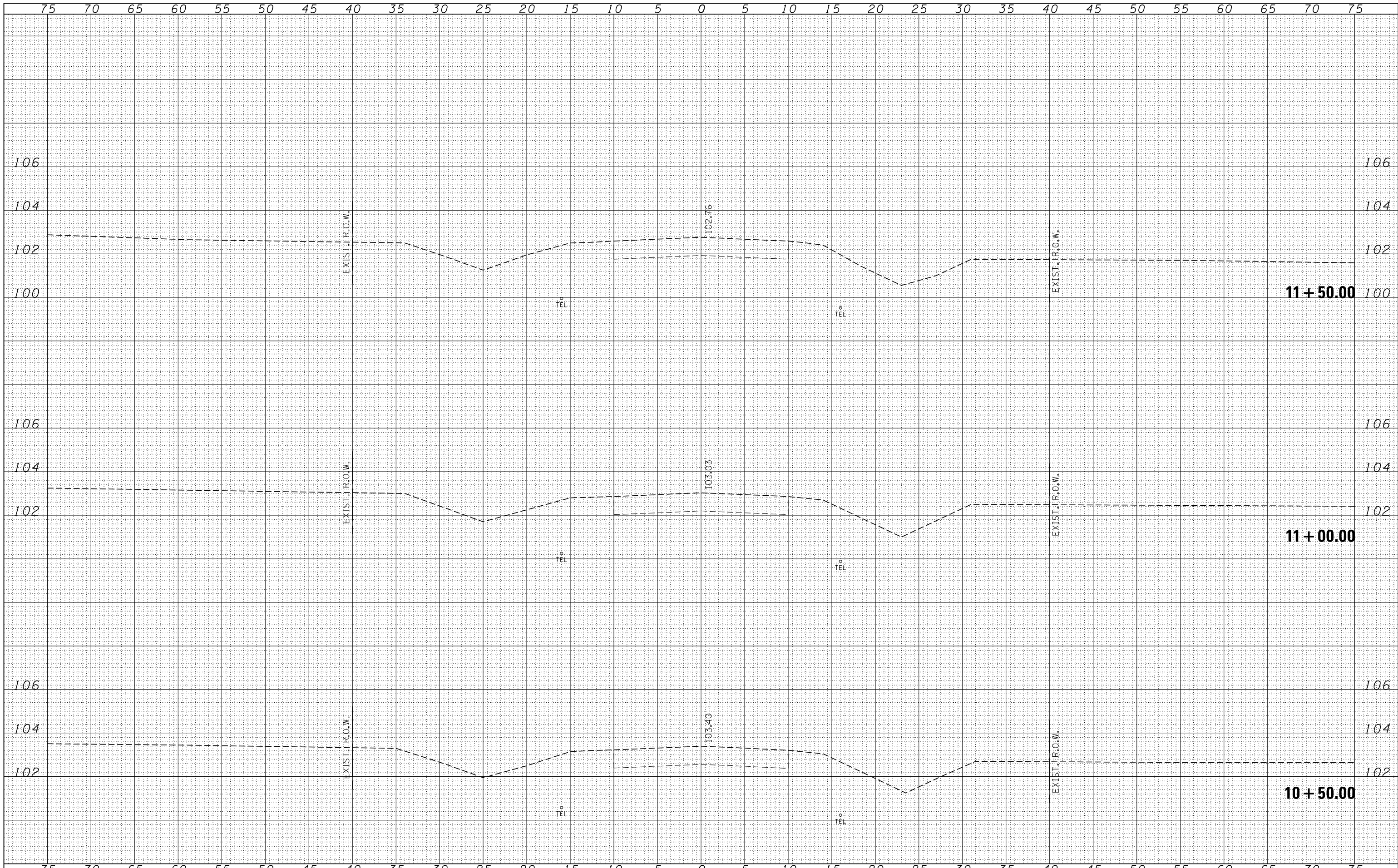
GPS STANDARD GEOTECH LOG - GPS STD DATA TEMPLATE.GDT - 9/30/14 16:05 - I:\GPS FILES\14\FRANKFORT\PROJECTS\14-G547 FORD KANKAKEE CO BRIDGE BORING.GPJ

BORING

FILE NAME = 140254-shi-bri-ge.dgn	USER NAME = rholck	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	BORINGS STRUCTURE NO. 027-3457	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. CORP. 184.000959	CHECKED - S.W.M.	REVISIED -	1322			16-00126-00-BR	FORD/KANKAKEE	27	15	
PLOT SCALE = \$SCALE\$	DRAWN - R.D.H.	REVISIED -	CONTRACT NO. 87660							
PLOT DATE = 12/10/2020	CHECKED - S.W.M.	REVISIED -	SHEET NO. 9 OF 9 SHEETS							
						ILLINOIS		FED. AID PROJECT PQ16(726)		

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINL SURVEY	
NOTE BOOK	
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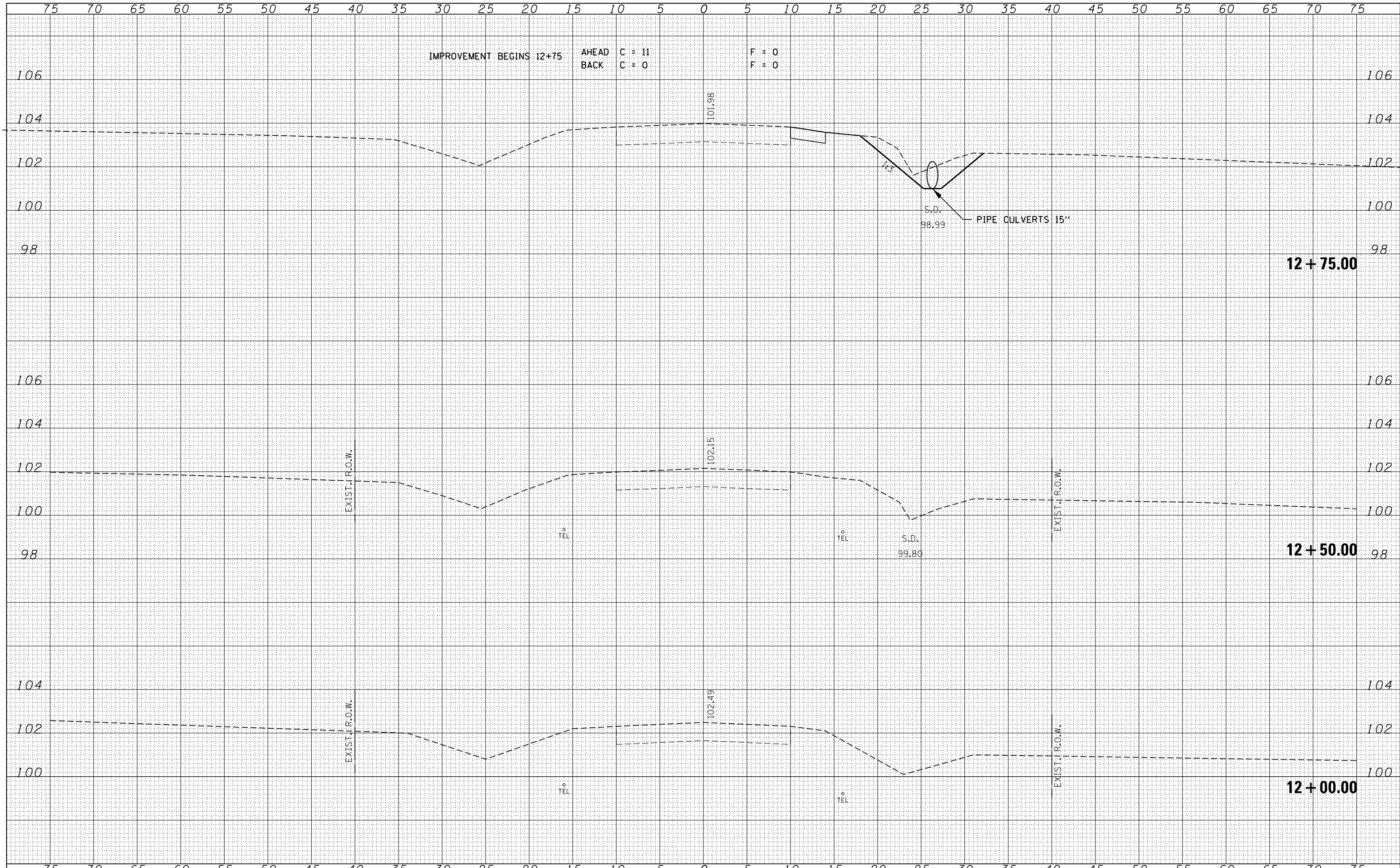
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ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME = 140254-cht-sss.dgn	USER NAME = rmosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000958		DRAWN - L.G.C.	REVISED -					1322	16-00126-00-BR	FORD/KANKAKEE	27	16
		CHECKED - S.W.M.	REVISED -		CONTRACT NO. 87660							
		DATE - 12/10/2020	REVISED -		SCALE: 5H:2V	SHEET NO. 1 OF 12 SHEETS	STA. 10+50.00 TO	STA. 11+50.00	ILLINOIS FED. AID PROJECT PG16(726)			

DATE	
BY	
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AREAS	
CHECKED	
FINL SURVEY	
NOTE BOOK	
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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



IMPROVEMENT BEGINS 12+75 AHEAD C = 11 F = 0
 BACK C = 0 F = 0

EXIST. R.O.W.

EXIST. R.O.W.

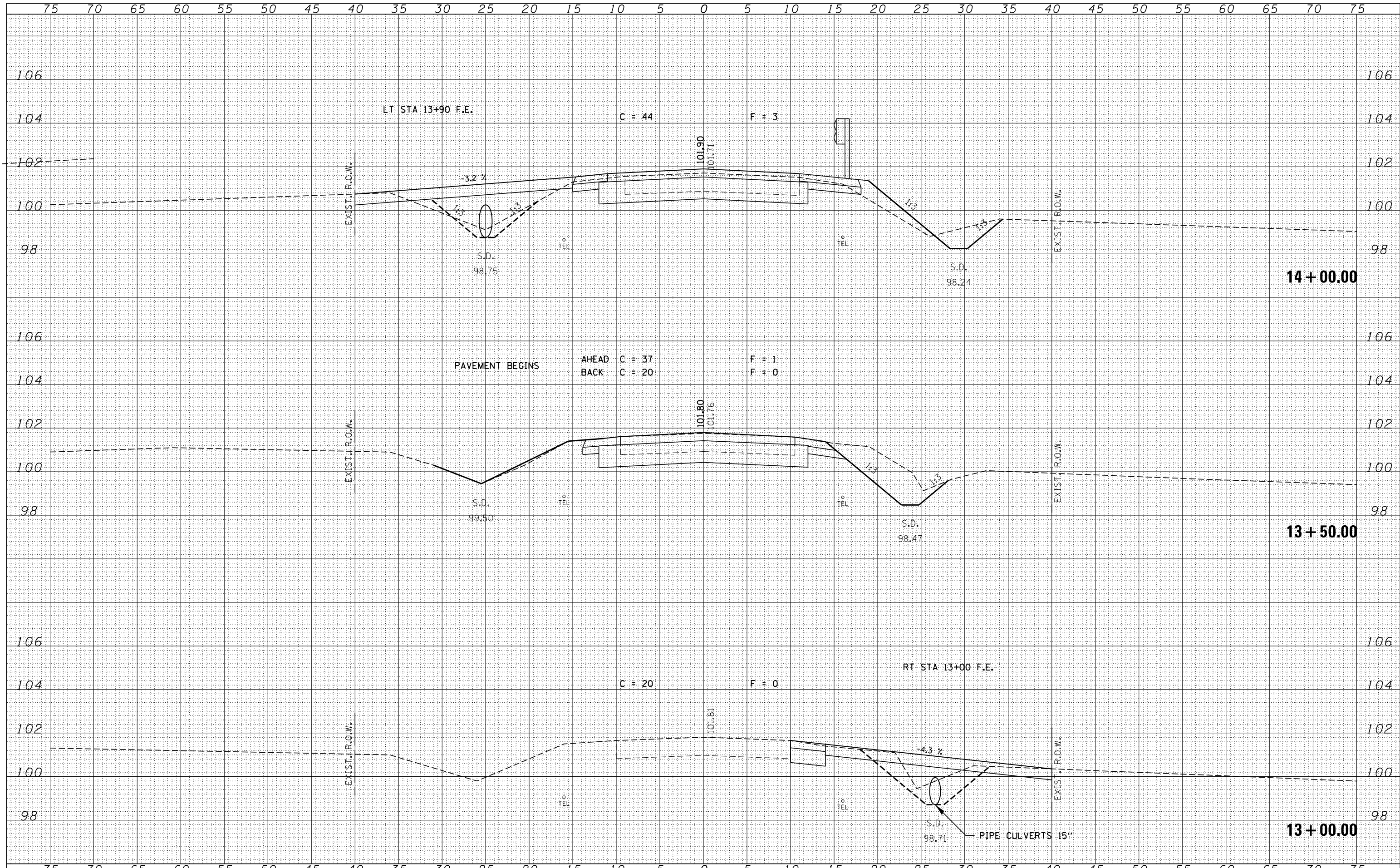
EXIST. R.O.W.

EXIST. R.O.W.

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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.009958		DRAWN - L.G.C.	REVISED -		1322	16-00126-00-BR	FORDKANKAKEE	27	17	CONTRACT NO. 87660	
		CHECKED - S.W.M.	REVISED -		SCALE: 5H:2V	SHEET NO. 2 OF 12 SHEETS	STA. 12+00.00 TO	STA. 13+00.00	ILLINOIS FED. AID PROJECT PQ16(726)		
		DATE - 12/10/2020	REVISED -								

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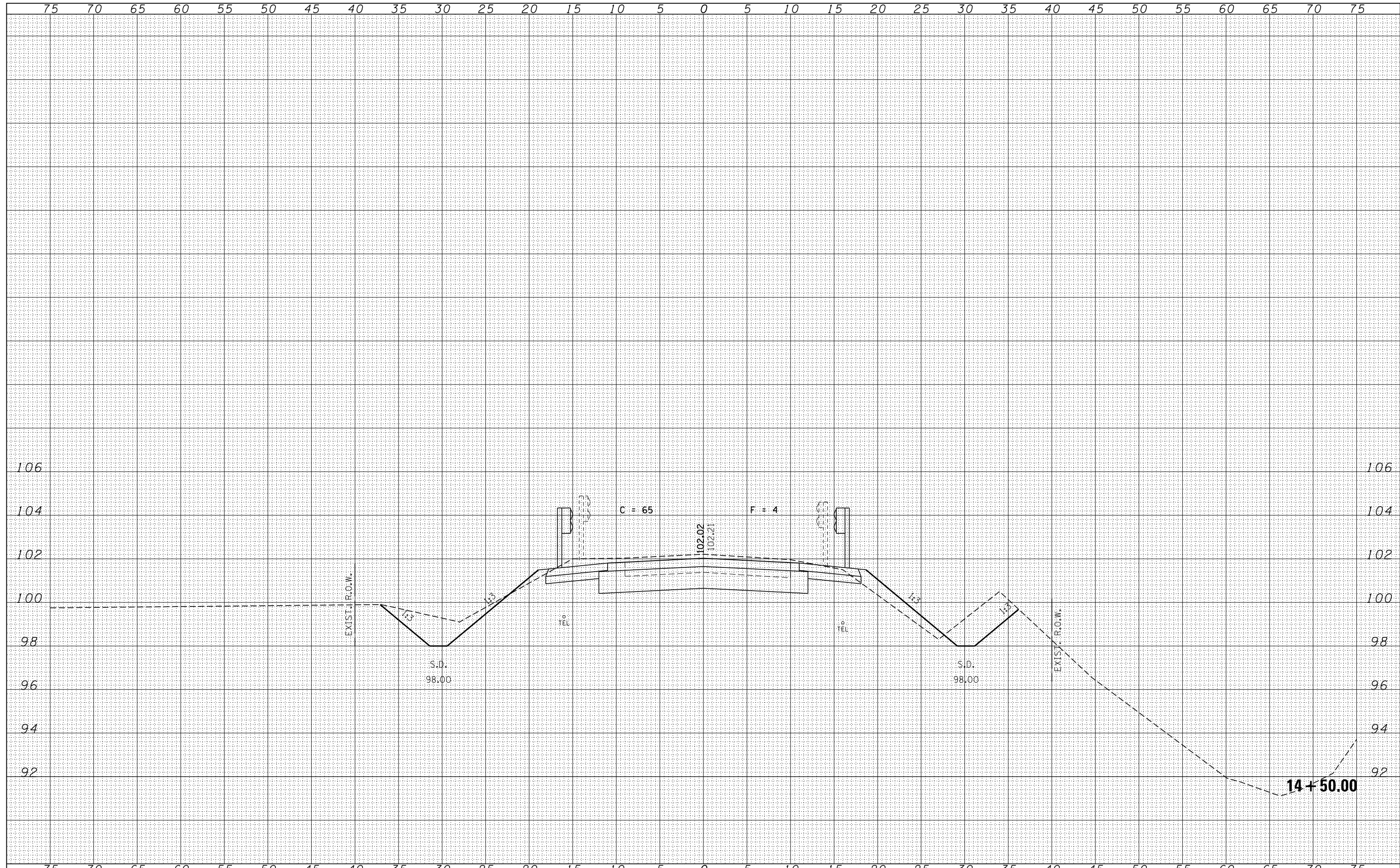
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -		1322	16-00126-00-BR	FORD/KANKAKEE	27	18		
3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L/S / P/E / SE CORP. 184.000958		CHECKED - S.W.M.	REVISED -		CONTRACT NO. 87660			ILLINOIS FED. AID PROJECT PQ16(726)			
		DATE - 12/10/2020	REVISED -		SCALE: 5H:2V	SHEET NO. 3 OF 12 SHEETS	STA. 13+50.00 TO	STA. 14+00.00			

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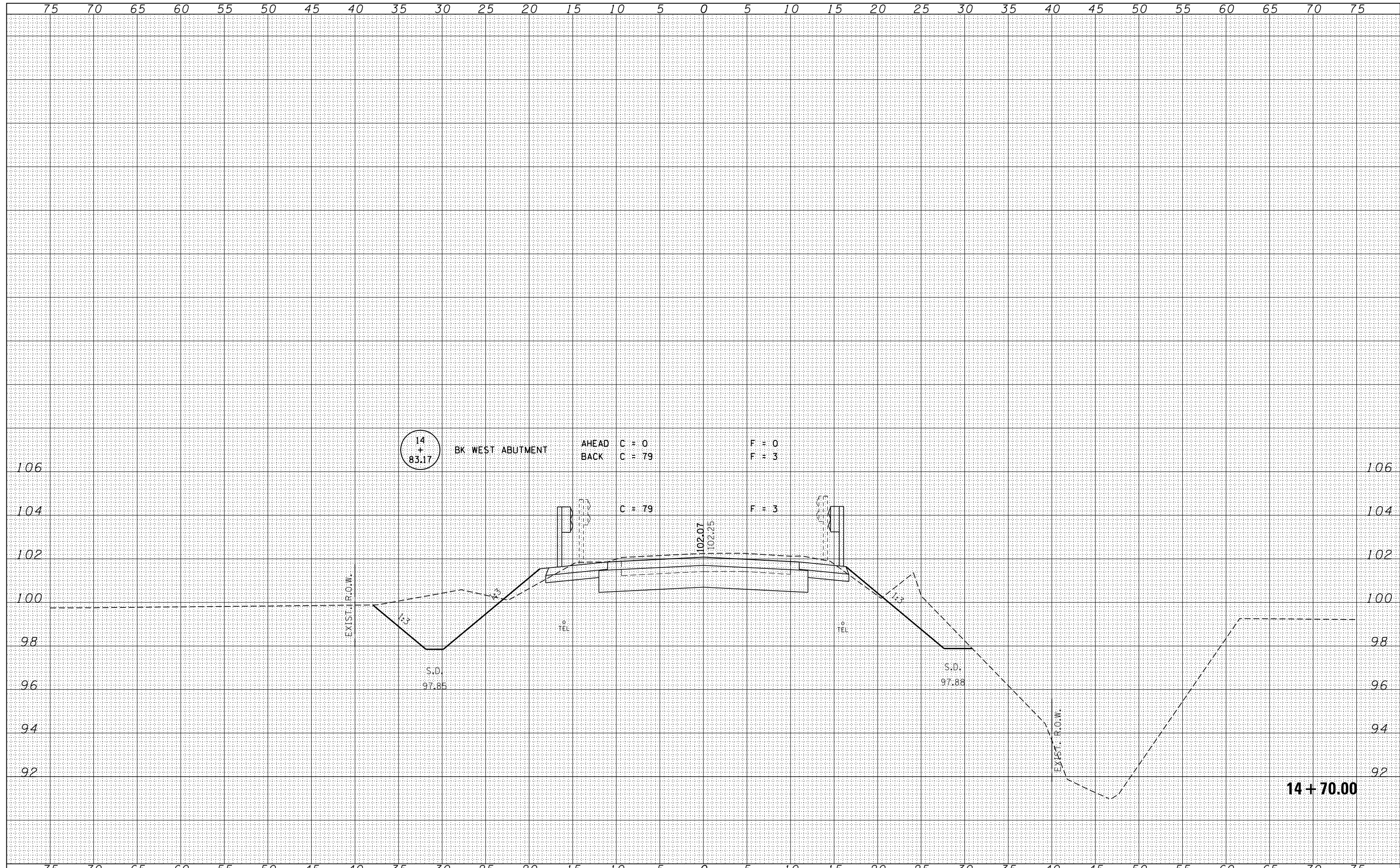
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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.009958		DRAWN - L.G.C.	REVISED -		1322	16-00126-00-BR	FORD/KANKAKEE	27	19			
		CHECKED - S.W.M.	REVISED -		CONTRACT NO. 87660							
		DATE - 12/10/2020	REVISED -		SCALE: 5H:2V	SHEET NO. 4 OF 12 SHEETS	STA. 14+50.00 TO	STA. 14+50.00	ILLINOIS FED. AID PROJECT PG16(726)			

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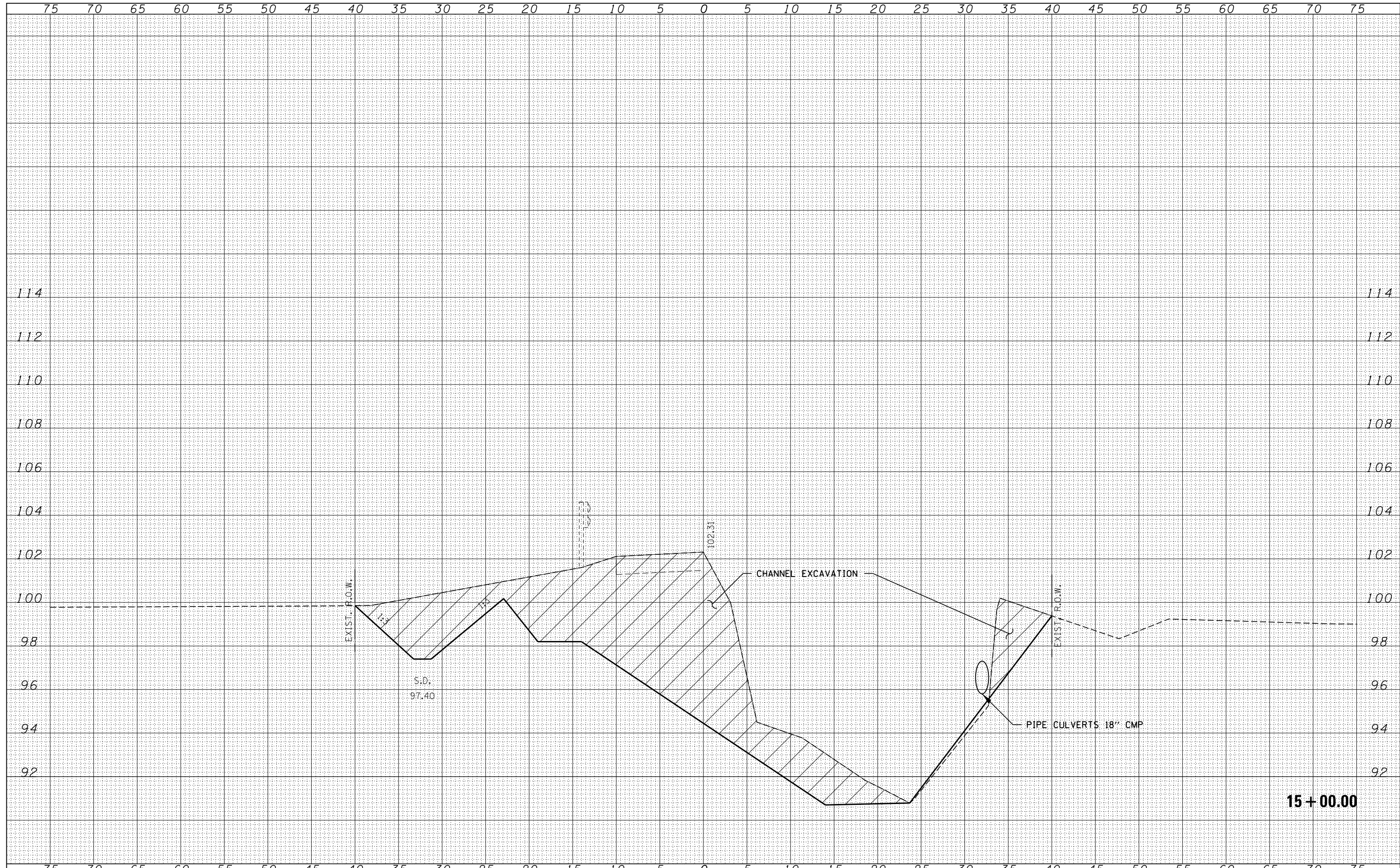
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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.009958		DRAWN - L.G.C.	REVISED -		1322	16-00126-00-BR	FORD/KANKAKEE	27	20	CONTRACT NO. 87660		
		CHECKED - S.W.M.	REVISED -		SCALE: 5H:2V			SHEET NO. 5 OF 12 SHEETS			STA. 14+70.00 TO STA. 14+70.00	
		PLOT SCALE = \$SCALE\$	REVISED -		ILLINOIS FED. AID PROJECT PQ16(726)							
		PLOT DATE = 12/10/2020	DATE - 12/10/2020	REVISED -								

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FILE NAME = 140254-cht-sss.dgn
 HAMPSON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.009958

USER NAME = rmosick
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 12/10/2020
 PLOT SCALE = \$SCALE\$
 PLOT DATE = 12/10/2020

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STATE OF ILLINOIS
 FORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

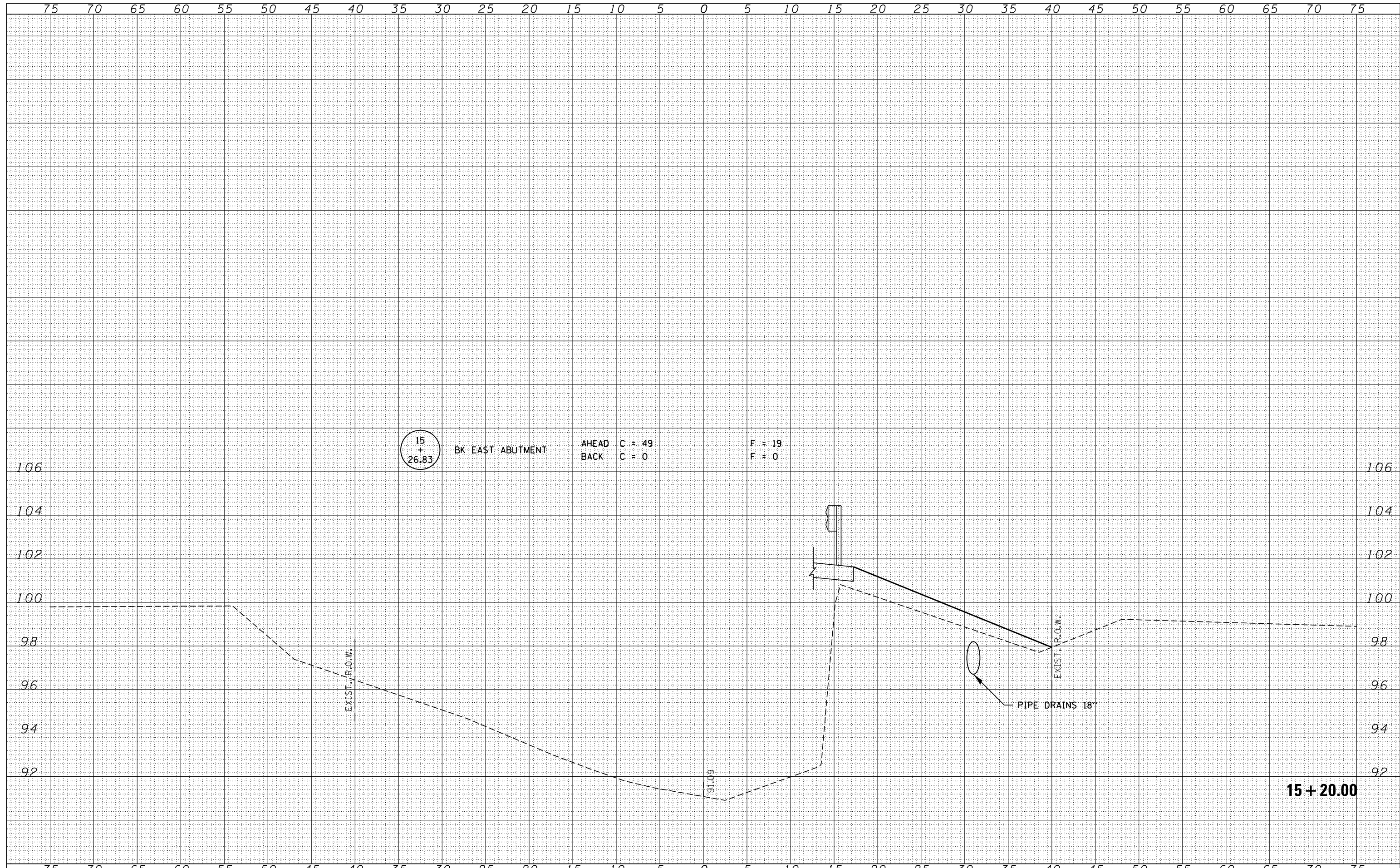
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 SHEET NO. 6 OF 12 SHEETS
 STA. 15+00.00 TO STA. 15+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1322	16-00126-00-BR	FORD/KANKAKEE	27	21
CONTRACT NO. 87660				
ILLINOIS FED. AID PROJECT PQ16(726)				

15+00.00

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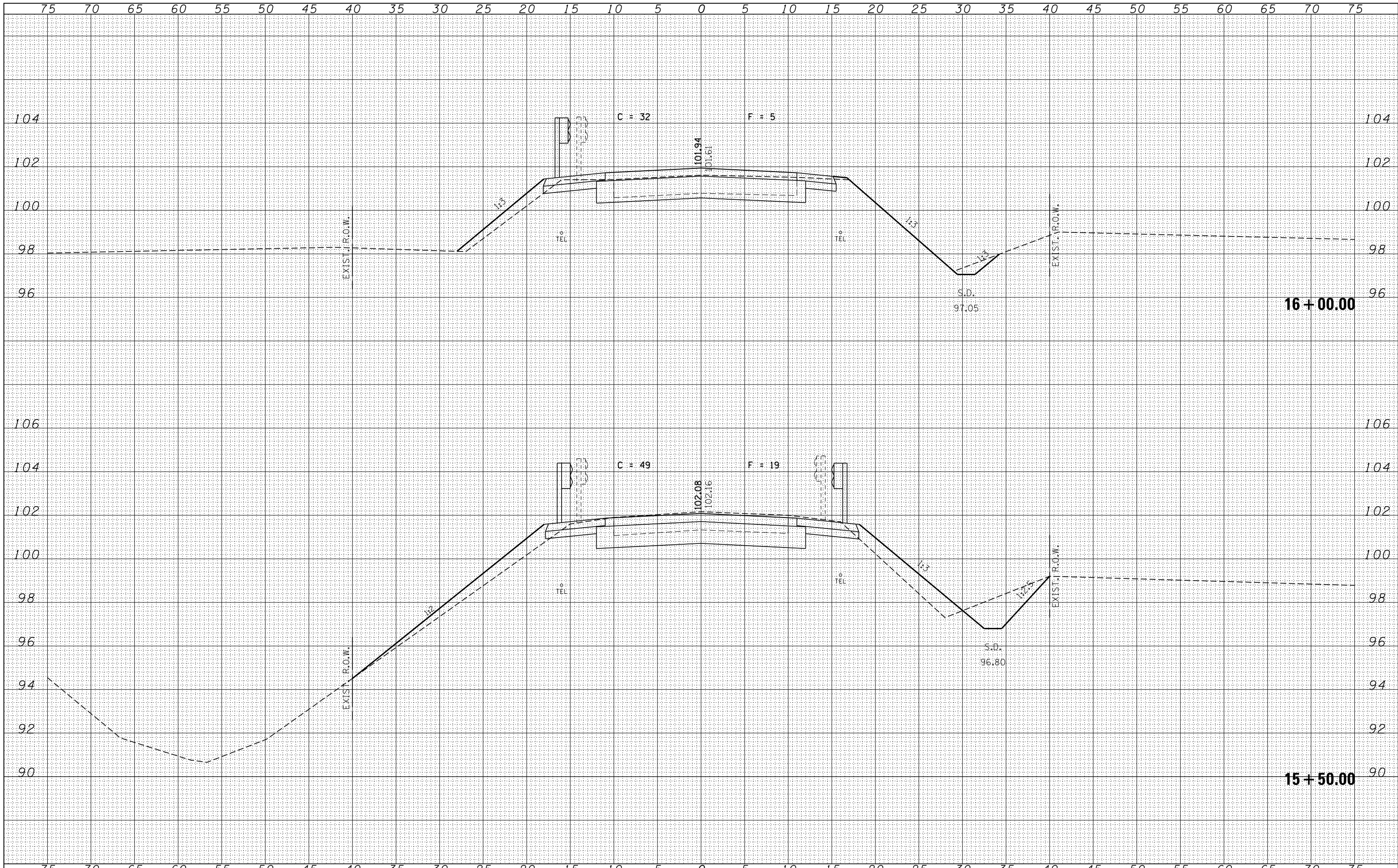
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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000958	DRAWN - L.G.C.	REVISED -	1322				16-00126-00-BR	FORD/KANKAKEE	27	22	
PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -	CONTRACT NO. 87660								
PLOT DATE = 12/10/2020	DATE - 12/10/2020	REVISED -	SCALE: 5H:2V		SHEET NO. 7 OF 12 SHEETS	STA. 15+20.00 TO	STA. 15+20.00	ILLINOIS FED. AID PROJECT PQ16(726)			

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FILE NAME = 140254-cht-sss.dgn
 DESIGNED - L.A.P.
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 CHECKED - S.W.M.
 DATE - 12/10/2020

USER NAME = rmosick
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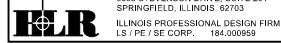
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STATE OF ILLINOIS
 FORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

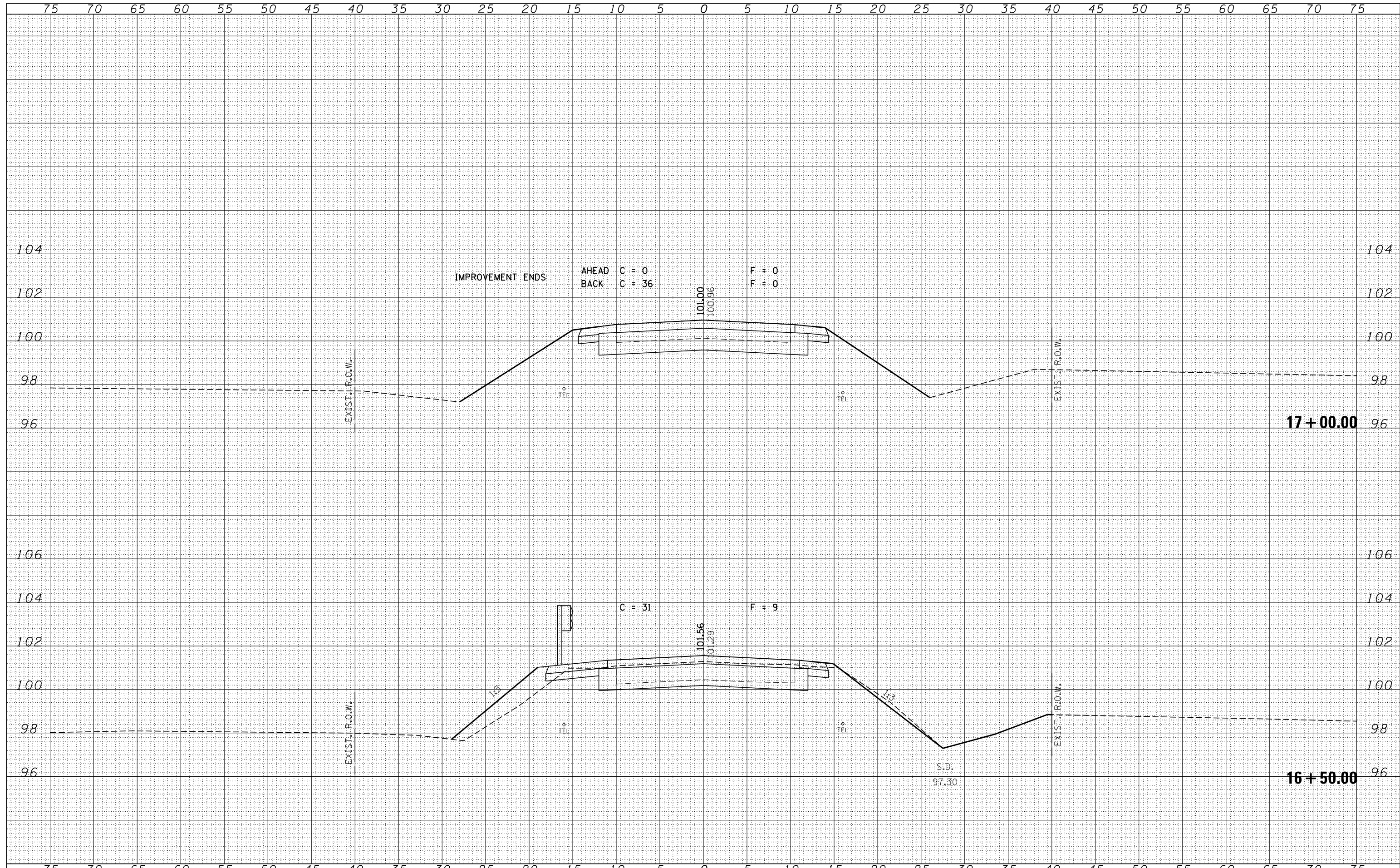
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 STA. 15+50.00 TO STA. 16+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1322	16-00126-00-BR	FORD/KANKAKEE	27	23
CONTRACT NO. 87660				
ILLINOIS FED. AID PROJECT PQ16(726)				



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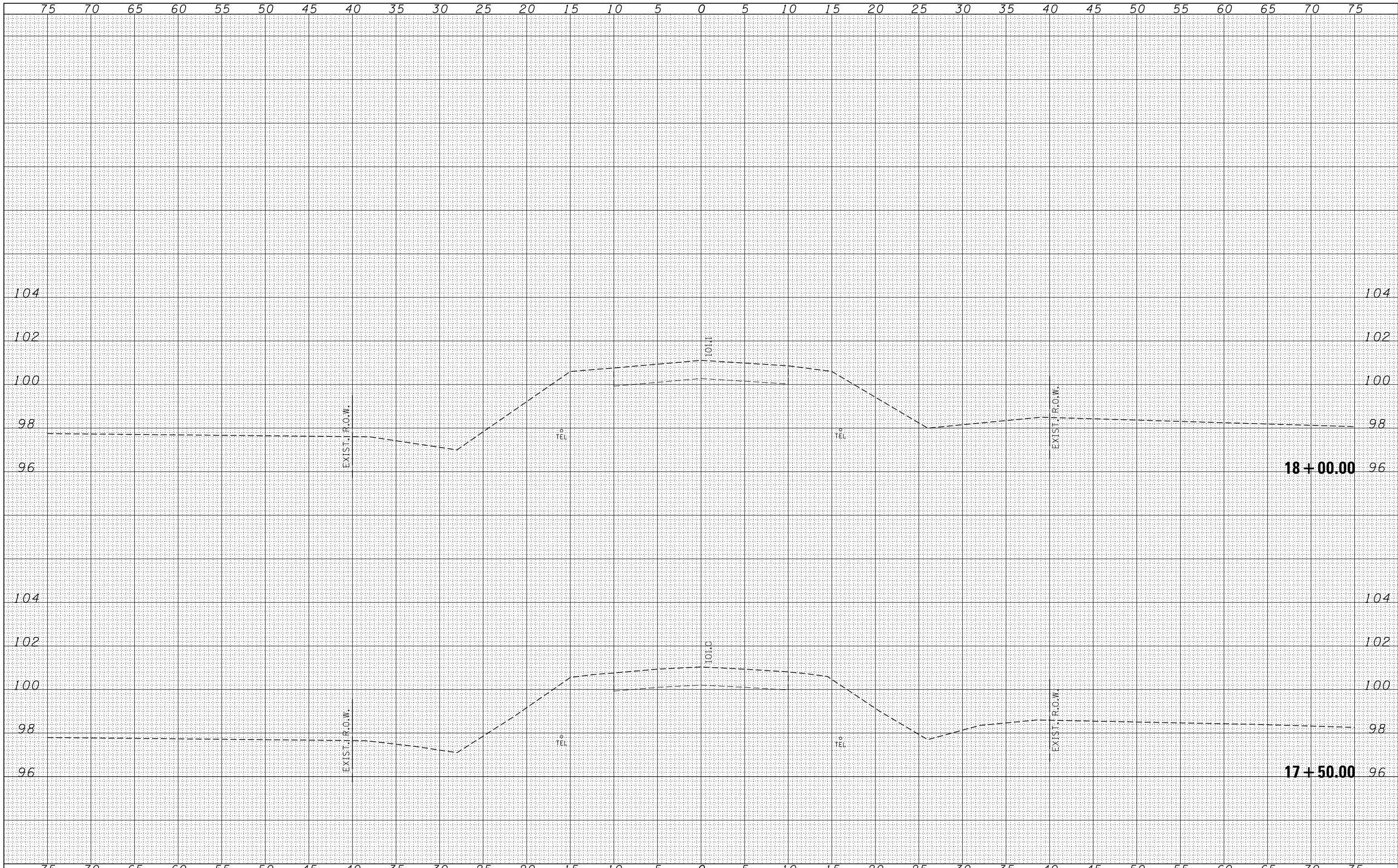
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FILE NAME = 140254-cht-sss.dgn	USER NAME = rmosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. CORP. 184.000958		DRAWN - L.G.C.	REVISED -		1322	16-00126-00-BR	FORD/KANKAKEE	27	24	CONTRACT NO. 87660		
		CHECKED - S.W.M.	REVISED -		SCALE: 5H:2V			SHEET NO. 9 OF 12 SHEETS			STA. 16+50.00 TO STA. 17+00.00	
		DATE - 12/10/2020	REVISED -		ILLINOIS FED. AID PROJECT PQ16(726)							

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NOTE BOOK	
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FILE NAME = 140254-cht-sss.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.009958

USER NAME = rmosick
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 12/10/2020
 PLOT SCALE = \$SCALE\$
 PLOT DATE = 12/10/2020

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**STATE OF ILLINOIS
 FORD COUNTY HIGHWAY DEPARTMENT**

STATION CROSS SECTIONS

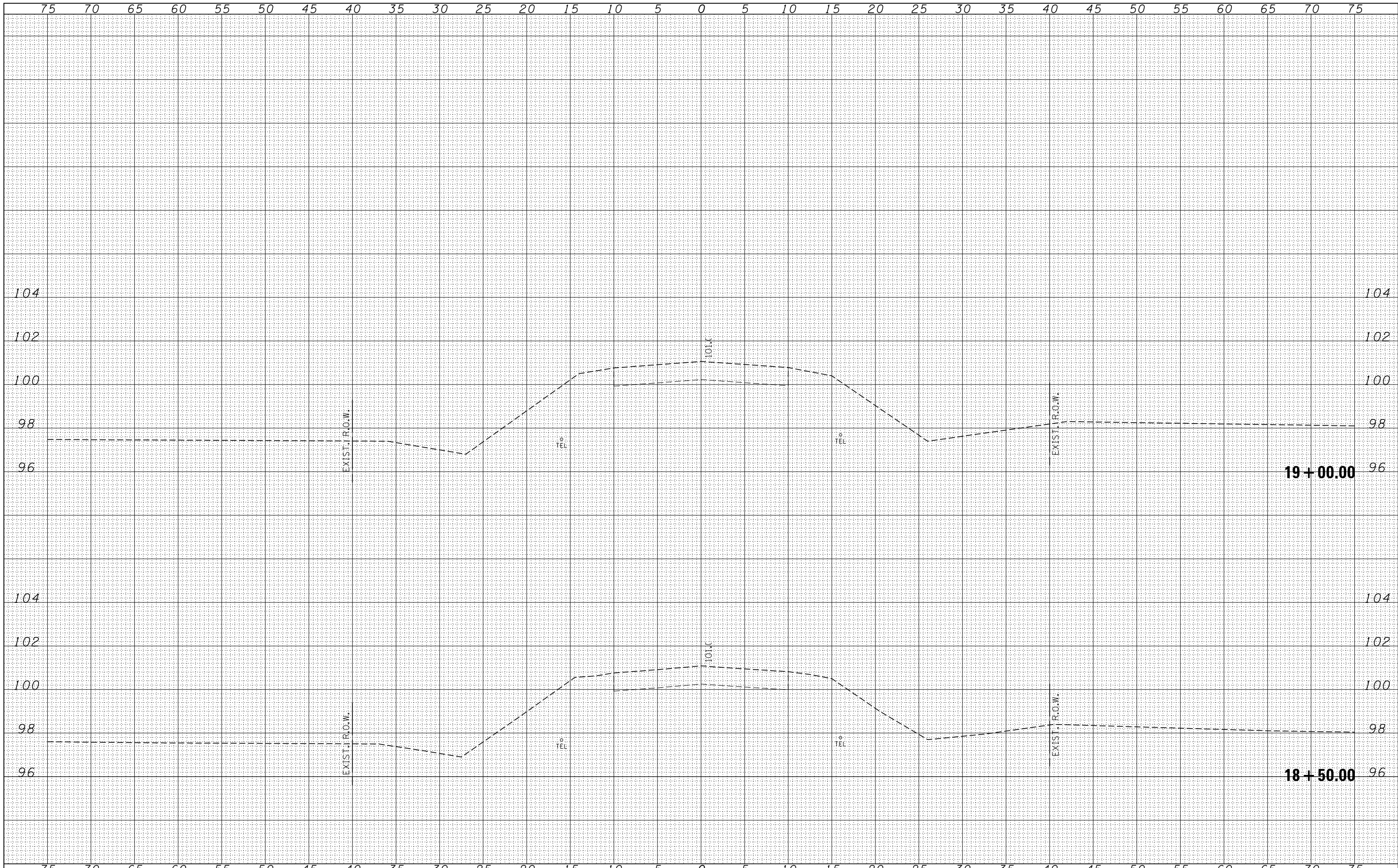
SCALE: 5H:2V SHEET NO. 10 OF 12 SHEETS STA. 17+50.00 TO STA. 18+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1322	16-00126-00-BR	FORD/KANKAKEE	27	25
CONTRACT NO. 87660				

ILLINOIS FED. AID PROJECT PQ16(726)

DATE	
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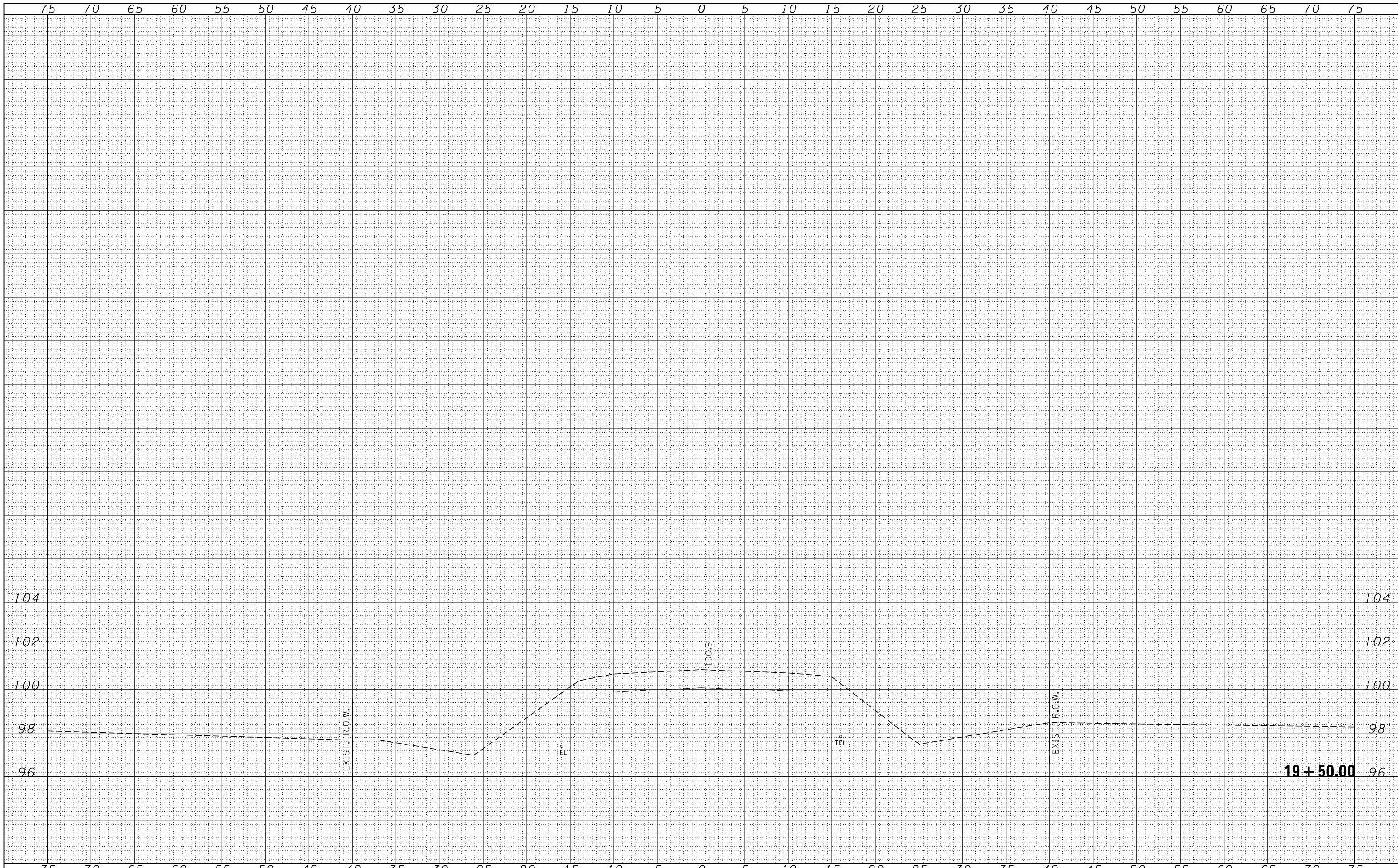
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FILE NAME = 140254-cht-sss.dgn	USER NAME = rmosick	DESIGNED - L.A.P.	REVISED -	<p align="center">STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT</p> <p align="center">STATION CROSS SECTIONS</p>	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L/S / PE / SE CORP. 184.009958		DRAWN - L.G.C.	REVISED -		1322	16-00126-00-BR	FORD/KANKAKEE	27	26	
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		DATE - 12/10/2020	REVISED -		SCALE: 5H:2V	SHEET NO. 11 OF 12 SHEETS	STA. 18+50.00 TO	STA. 19+00.00	ILLINOIS FED. AID PROJECT PQ16(726)	

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FILE NAME = 140254-cht-sss.dgn	USER NAME = rmosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS FORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L/S / PE / SE CORP. 184.009958		DRAWN - L.G.C.	REVISED -		1322	16-00126-00-BR	FORD/KANKAKEE	27	27	CONTRACT NO. 87660		
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		DATE - 12/10/2020	REVISED -									